ORDER No. ACED010118C1

C4

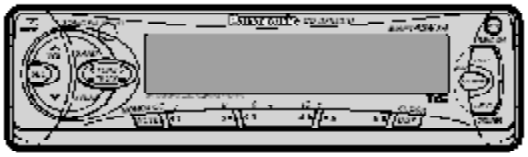
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CQ-DFX501U / CQ-DF401U / CQ-DFX301U

Removable Full Front CD Player / Receiver with Changer Control



<CQ-DFX501U>

SPECIFICATIONS

Specification*

General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Tone Adjustment Range	**Bass ; ±12dB at 100Hz** **Treble ; ±12dB at 10kHz**
Current Consumption	**Less than 2.2A (CD play mode; 0.5W×4ch)**
Maximum Power Output	**45W×4ch, at 400Hz, Vol. MAX**
Pre-AMP Output Voltage	
<CQ-DFX5010U>	**4.0V (CD play mode ; 1kHz, 0dB)**
<CQ-DF401/DFX301U>	**2.0V (CD play mode ; 1kHz 0dB)**
Sub-Woofer Output Voltage	
<CQ-DF501U>	**4.0V**
<CQ-DF401/DFX301U>	**2.0V**
Output Impedance	**200** Ω
Suitable Speaker Impedance	**4-8** Ω
AM Radio	
Frequency Range	**530 - 1,710kHz**
Usable Sensitivity	**28dB/** μ **V (25** μ **V, S/N 20dB)**
FM Stereo Radio	
Frequency Range	**87.9 - 107.9MHz**
Usable Sensitivity	**11dBf (12.5** μ **V, 75** Ω**)**
CD Player	
Sampling Frequency	**32 times over sampling**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wavelength	**780nm**
Frequency Response	**20Hz to 20,000Hz (±1dB)**
Signal to Noise Ratio	**96dB**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions**	**7"×1-15/16"×5-7/8"** **(178×50×150mm)**
Weight**	**3lbs 5oz (1.5kg)**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. FEATUERS

- 32bit-times over sampling MASH 1bit 4-DAC system.
- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan

2. REPLACING THE FUSE

Use fuses of the same specified rating (15A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

3. MAINTENANCE

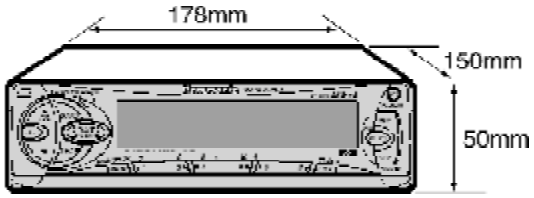
Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

4. NOTES

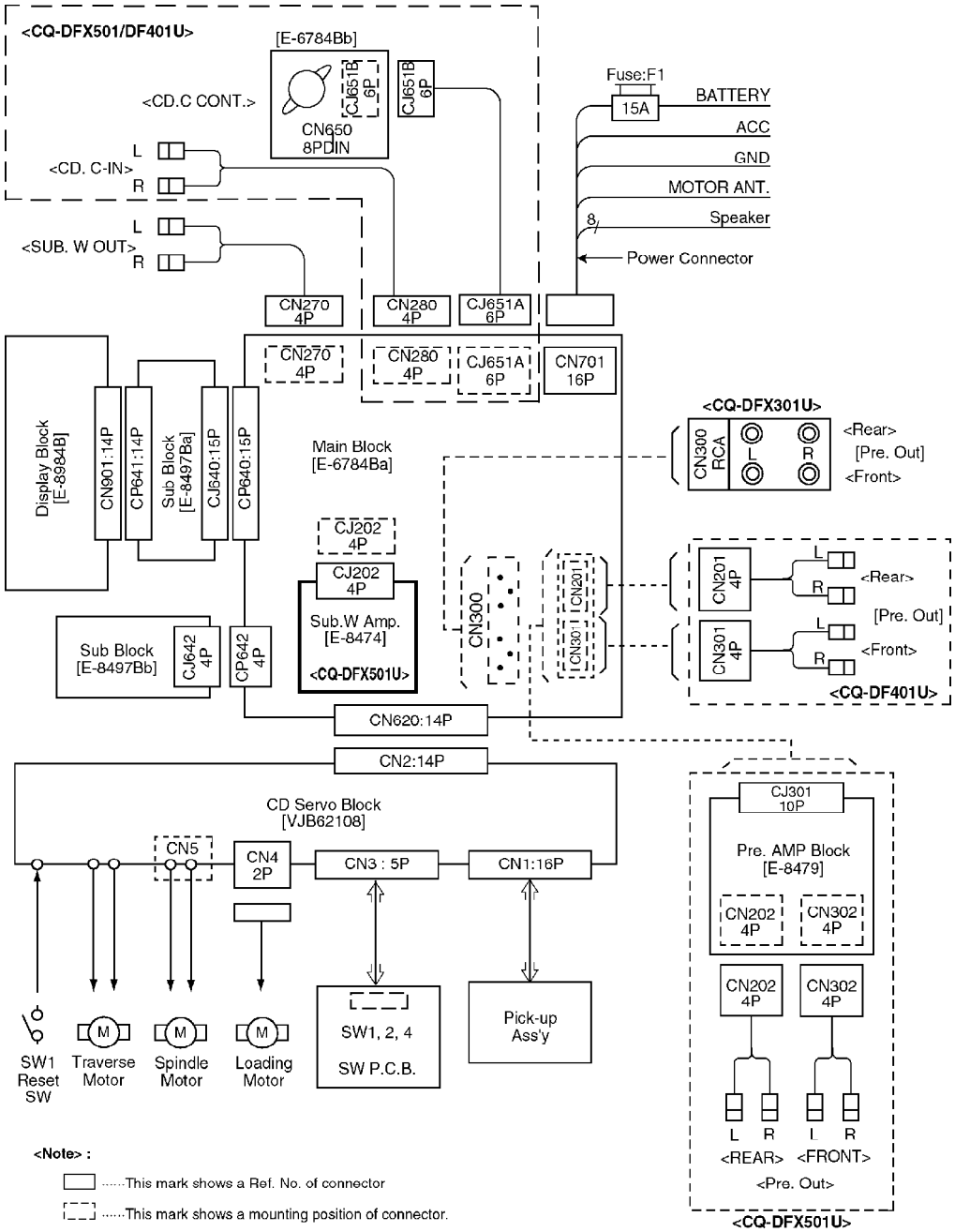
[RADIO BLOCK]
Do not align the AM and FM package blocks. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]
This model has no servo alignment points because microcomputer controls the servo circuit.
[OTHER]
The following table describes the differences between 3 models.

	DFX501U	DF401U	DFX301U
S.HDB	Yes	None	None
Loudness control	None	Yes	Yes
Pre-Amp output level	4V	2V	2V
Subwoofer output level	4V	2V	2V
CD changer control	Yes	Yes	None
Pre-Amp output connector	Lead type	Lead type	Fix type
LCD color	3 colors	Blue	Blue

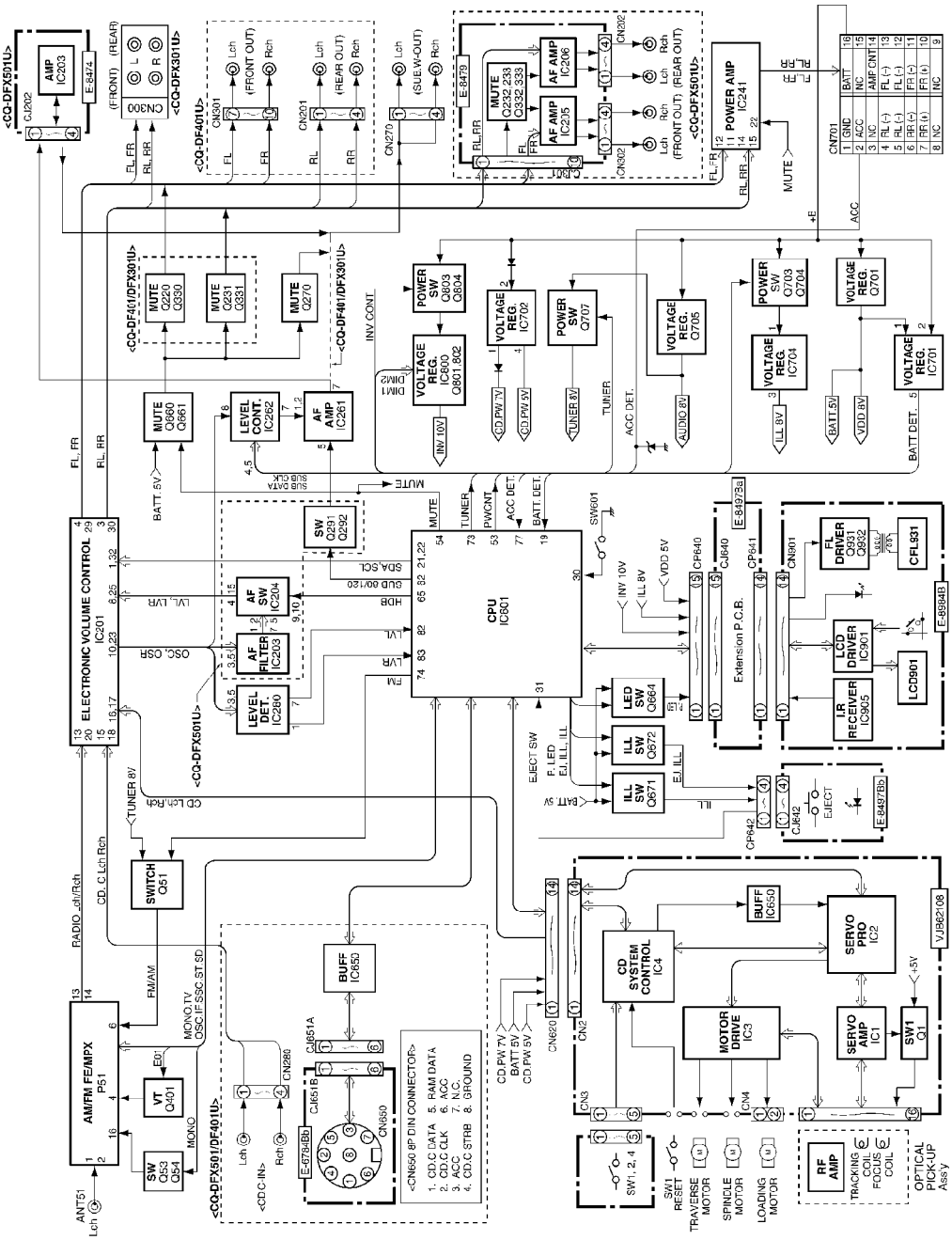
5. DIMENSIONS



6. WIRING CONNECTION



7. BLOCK DIAGRAM



8. TERMINALS DESCRIPTION

8.1. Main Block

IC601 : C2ABGF000015

Pin No.	Port	Description	I/O	(V)
1	XIN	Crystal oscillator	-	1.9
2	TEST2	(Connecting to ground)	-	0
3	VREG	Voltage regulator capacitor	-	0
4	VSS	Ground	-	0
5	CHC DATA	CD changer data (Note 1)	I	0
6	N.C.	No connection	-	-
7	CHC CK	CD changer clock (Note1)	I	0
8	RM DATA	Remocon data (Note 1)	O	4.9
9-12	N.C.	No connection	-	-
13	/LCD CE	LCD chip enable	O	0.6
14,15	N.C.	No connection	-	-
16	LCD DI	LCD data	O	4.6
17	LCD CLK	LCD clock	O	4.7
18	N.C.	No connection	-	-
19	BATT	Battery detection	I	5.0
20	LCD DO	LCD data	I	4.9
21	I2C CLK	Electric volume cont. clock	O	5.2
22	I2C DATA	Electric volume cont. data	I/O	5.2
23	/LED	Security LED control	O	3.7
24	N.C.	No connection	-	-
25	/EJ ILL	Eject illumi. Control	O	5.0
26	/ILL	Illumi. Control	O	5.0
27	N.C.	No connection	-	-
28	/P. LED	Panel LED control	O	0.4
29	FP CLOSE	Front panel close SW	I	5.2
30	PANEL	Panel detection SW	I	5.2
31	/EJ	Eject SW	I	4.7
32-38	N.C.	(Connecting to VDD)	-	5.0
39	VDD	+5V power supply	-	5.0
40	VSS	Ground	-	0
41-48	N.C.	(Connecting to ground)	-	0
49	CD CNT	CD power control	O	4.9
50	INV CNT	Invertor control	O	4.9
51	DIM 2	Dimmer control	O	0
52	DIM 1	Dimmer control	O	0
53	PWR CNT	Power control	O	4.9

53	**PWR CNT**	**Power control**	**O**	**4.9**

54	/MUTE	Mute control	O	5.0
55	CD DATA	CD data	I/O	4.7
56	CD CLK1	CD clock	O	5.0
57-61	N.C.	No connection	-	-
62	SUB80/120	Sub woofer cutoff freq. (Note 2)	O	0
63	SUB CLK	Sub. woofer clock	O	0
64	SUB DATA	Sub. woofer data	O	0
65	/HDB	HDB control (Note 2)	O	4.9
66	N.C.	No connection	-	-
67	/CD RST	CD reset	O	5.0
68	/CD ON	CD power on	O	0
69	CD CLK2	CD clock	O	4.9
70	CD MUTE	CD mute	I	0
71	REM IN	Remocon data	I	5.1
72	CHC STB	CD changer strobe (Note 1)	O	0
73	/TUNER	Tunner power control	O	0.3
74	FM	FM power control	O	0.2
75	/MONO	Mono/Stereo selection	O	8.0
76	SSC	Search stop clear	O	0.2
77	ACC SEN	ACC detection	I	3.9
78	N.C.	(Connecting to ground)	-	0
79	INIT A	Initial value	I	0
80	INIT B	Initial value (Note 3)	I	(#1)
81	ADC VSS	ADC ground	-	0
82	LV L	Lch level detection	I	1.4
83	LV R	Rch level detection	I	1.4
84	N.C.	(Connecting to ground)	-	0
85	SD	B/S detection	I	0.6
86	/RESET	(Connecting to VDD)	-	5.0
87	HOLD	(Connecting to VDD)	-	5.0
88	SNS	(Connecting to VDD)	-	5.0
89	LCTR	(Connecting to ground)	-	0
90	IFC	Radio IF control	O	2.6
91	E03	Not used	-	-
92	/ST	FM stereo detection	I	4.5
93	PLL VDD	+5V power supply	-	5.0
94	AM IN	(Connecting to ground)	-	0
95	OSC	Radio oscillator	I	2.4
96	PLL VSS	PLL ground	-	0

97	E02	Not used	-	-
98	E01	PLL phase-comp. error	O	1.4
99	TEST 1	(Connecting to ground)	-	0
100	XOUT	Crystal oscillator	-	2.6

Note 1 : CQ-DFX501/DF401U only
Note 2 : CQ-DFX501U only
Note 3 (#1) :

- 2.2V <CQ-DFX501U>
- 3.4V <CQ-DF401/DFX301U>

8.2. Display Block

IC901 : YEAMLC75884W

Pin No.	Port	Description	I/O	(V)
1-51	S3-53	LCD segment data	O	2.5
52-55	COM1-4	LCD common	O	2.5
56, 57	S54, 55	LCD segment data	O	2.5
58-61	KS3-6	Key strobe	O	0.9
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	5.1
68	VLCD	+5V power supply	-	5.1
69	VLCD1	LCD angle	-	3.3
70	VLCD2	LCD angle	-	1.7
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	3.9
74	/RESET	(Connecting to VCC)	-	5.1
75	DO	Key data output	O	4.1
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	0
78	DI	LCD data	I	0
79, 80	S1,2	LCD segment data	O	2.5

8.3. CD Servo Block

IC2 : MN662741RPA

Pin No.	Port	Description	I/O	(V)
1	BCLK	Bit clock output	O	2.5
2	LRCK	L/R select output	O	2.5
3	SRDATA	Serial data output	O	2.5
4	VDD	+5V digital power supply	-	5.1
5	DVSS1	Digital ground	-	0
6	TX	Not used	-	-
7	MCLK	MPU command clock	I	4.6
8	MDATA	MPU command data	I	0.2
9	MLD	MPU command load	I	4.8
10	SENSE	Not used	-	-
11	/FLOCK	Not used	-	-
12	/TLOCK	Not used	-	-
13	BLKCK	Sub-code block clock	O	0
14	SQCK	Q code external clock	I	0
15	SUBQ	Q code output	O	5.1
16	DMUTE	Mute input	I	2.9
17	STAT	Status output	O	0
18	/RST	Reset input	I	5.0
19, 20		Not used	-	-
21	TRV	Forced traverse output	-	2.5
22	TVD	Traverse drive output	O	2.5
23	PC	Not used	-	-
24	ECM	Spindle motor drive	O	2.4
25	ECS	Spindle motor drive	O	2.5
26	KICK	Kick pulse output	O	2.4
27	TRD	Tracking drive	O	2.5
28	FOD	Focus drive	O	2.6
29	VREF	D/A reference voltage	I	2.5
30	FBAL	Focus balance adjust	O	2.5
31	TBAL	Tracking balance adjust	O	2.5
32	FE	Focus error signal	I	2.5
33	TE	Tracking error signal	I	2.5
34	RFENV	RF envelope signal	I	2.5
35	VDET	Vibration detection	I	0
36	OFTR	Off track signal	I	0
37	TRCRS	Track closs signal	I	2.7
38	/RFDET	RF detection signal	I	0
39	BDO	Drop out signal	I	0
40	LDON	Laser on/off control	O	5.0
41	TES	Tracking error shunt	O	0

41	TES	Tracking error shunt	O	0
42	PLAY	Not used	-	-
43	WVEL	Not used	-	-
44	ARE	RF signal	I	2.5
45	IREF	Reference current input	I	1.2
46	DRF	Connecting to ground	-	0
47	DSLF	DSL loop filter	I/O	2.5
48	PLLF	PLL loop filter	I/O	2.3
49	VCOF	Connecting to VDD	-	5.1
50	AVDD2	+5V analog power supply	-	5.1
51	AFSS2	Analog ground	-	0
52-55		Not used	-	-
56	SBCK	(Connecting to ground)	-	0
57	VSS	Ground	-	0
58	X1	Crystal oscillator	-	2.5
59	X2	Crystal oscillator	-	2.9
60	VDD	+5V power supply	-	5.1
61-69		Not used	-	-
70	/RST2	Connecting to ground	-	0
71	/TEST	Connecting to VDD	-	5.1
72	AVDD1	+5V analog power supply	-	4.8
73	OUTL	Audio Lch output	O	2.4
74	AVSS1	Analog ground	-	0
75	OUTR	Audio Rch output	O	2.4
76	RSEL	connecting to VDD	I	5.1
77	CSEL	Connecting to ground	-	0
78	ISRDATA	Serial data input	I	2.5
79	ILRCK	L/R select input	I	2.5
80	IBCLK	Bit clock input	I	2.5

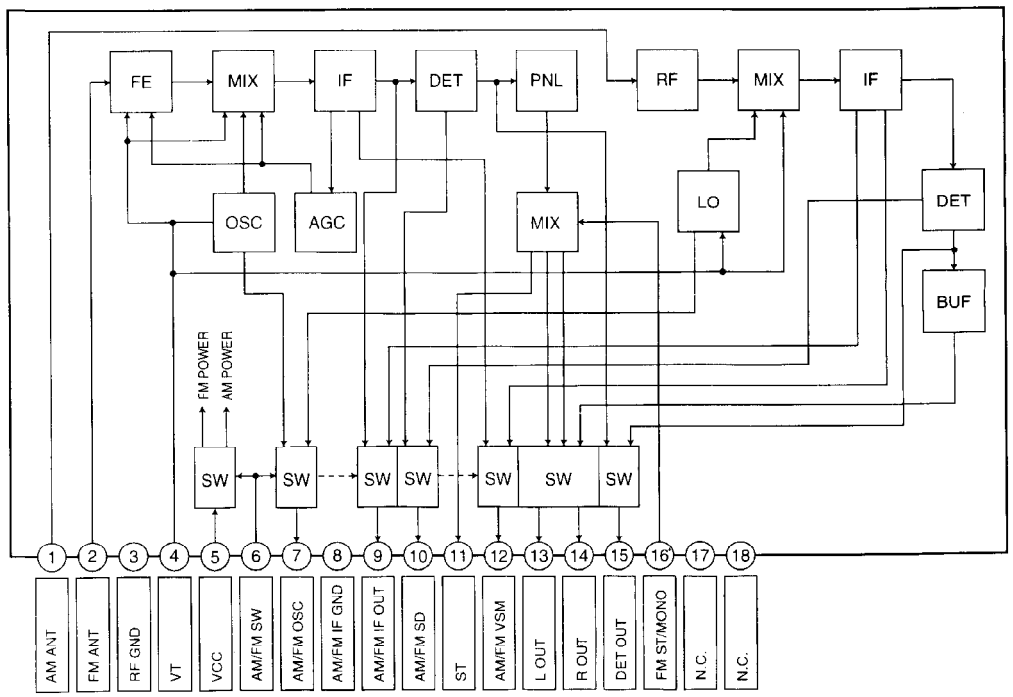
IC4 : MB89193-233E

Pin No.	Port	Description	I/O	(V)
1	LMTR_FWD	Forward Limiter	O	5.2
2	LMTR_REV	Reverse Limiter	O	5.2
3	LO/SP	Motor control	O	0
4	REST	Reset	I	4.8
5	TEST	(Connecting to ground)	-	0
6	/RST	Reset	I	4.9
7	X0	Crystal oscillator	-	2.1
8	X1	Crystal oscillator	-	2.6
9	VSS	Ground	-	0
10	SW4	Switch input	I	0
11	BLKCK	Sub-code block clock	I	0
12	SW1	Switch input	I	4.9
13	SW2	Switch input	I	5.0
14	SW3	Switch input	I	0
15	SUBQ	Q code input	I	2.5
16	STAT	Status input	I	5.0
17	SQCK	Q code external clock	O	5.1
18	SRST	Reset output	O	4.9
19	DMUTE	Mute output	O	0
20	MLD	MPU command load	O	4.8
21	MDATA	MPU command data	O	0.2
22	MCLCK	MPU command clock	O	4.6
23	POSC	Oscillator control	O	0
24	ACC	ACC input	I	0.2
25	C1	CD clock	I	4.9
26	DATA	CD data	I/O	0
27	C2	CD clock	I	5.2
28	VCC	+5V power supply	-	5.2

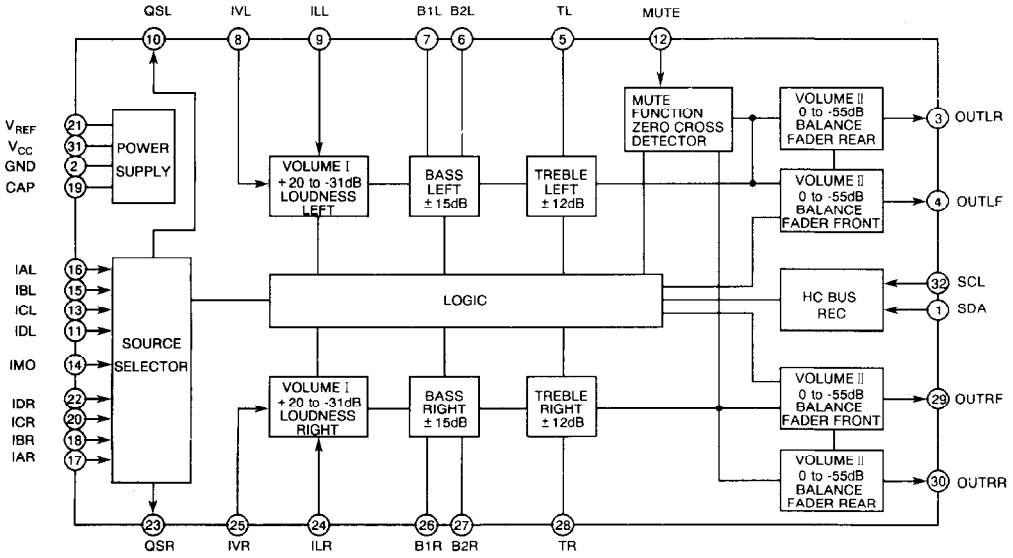
9. PACKAGE AND IC BLOCK DIAGRAM

9.1. Main block

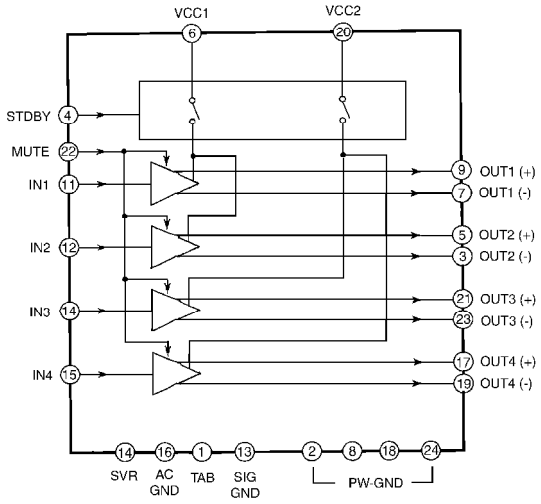
PA51 : YEAU03A052C



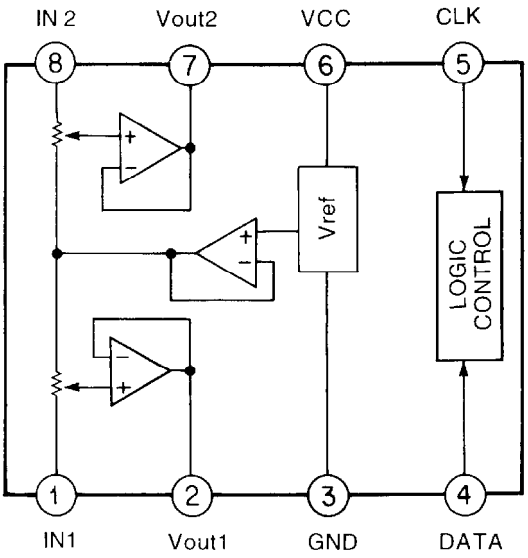
IC201 : YEAMEA6320TT



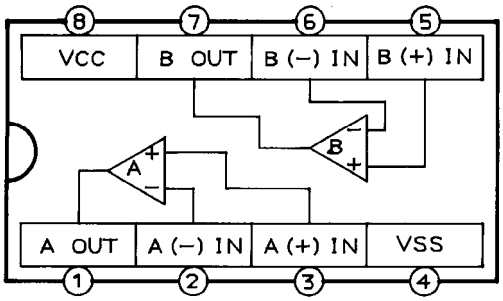
IC241 : C1EA00000021



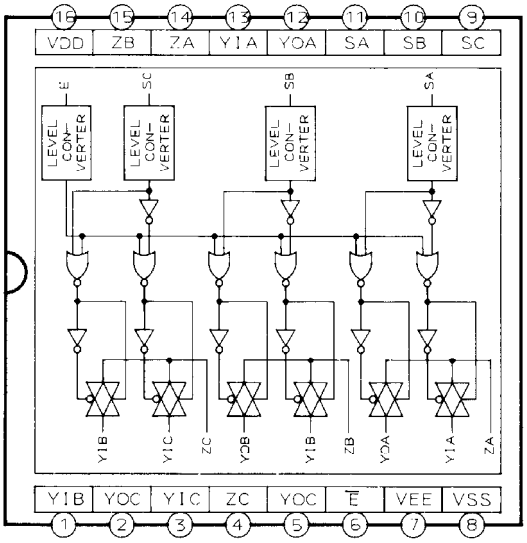
IC262 : YEAMM62429FP



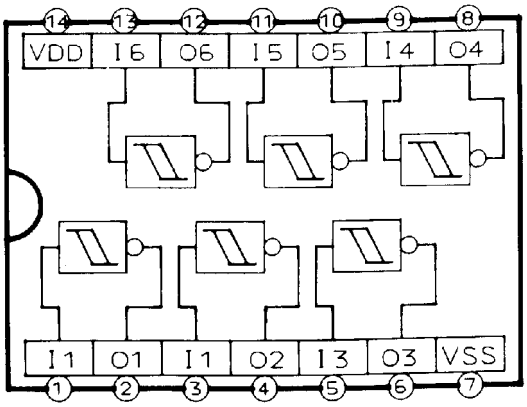
IC203, 261 : YEAMPC4570T1 / IC280 : YEAMM5218AFE



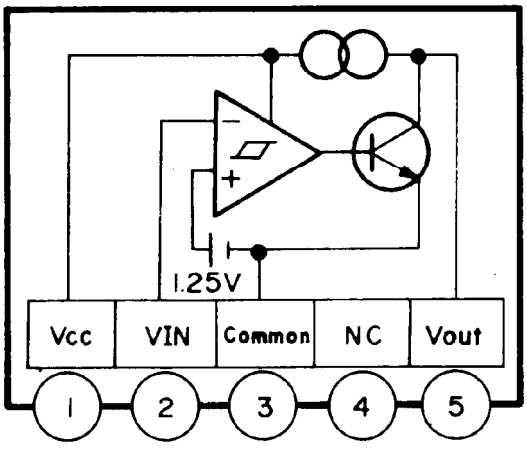
IC204 : YEAMPD4053E2


16 15 14 13 12 11 10 9
VDD ZB ZA Y1A YOA SA SB SC
LEVEL CON- VERTER
LEVEL CON- VERTER
LEVEL CON- VERTER
LEVEL CON- VERTER
Y1B Y1C ZC YOB Y1B ZB YOA Y1A ZA
Y1B YOC Y1C ZC YOC E VEE VSS
1 2 3 4 5 6 7 8

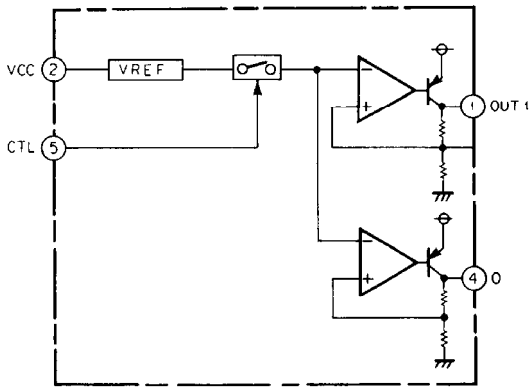
IC650 : YEAMC14584BE



IC701 : YEAMM51945AL

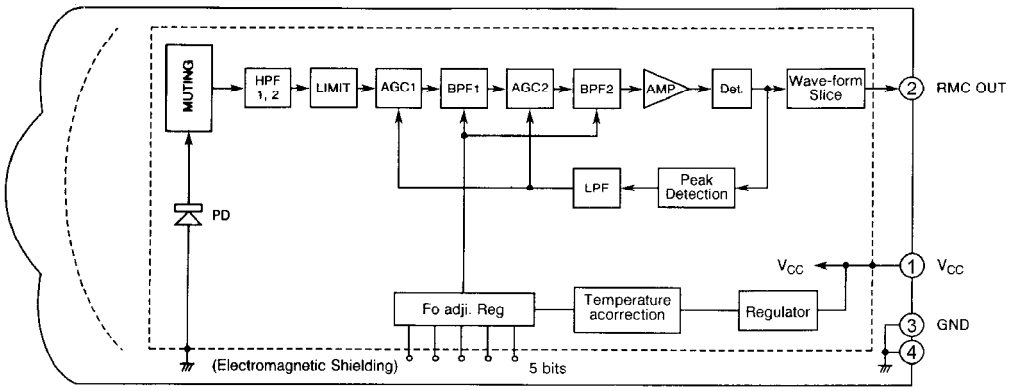


IC702 : YEAMA41W12ST



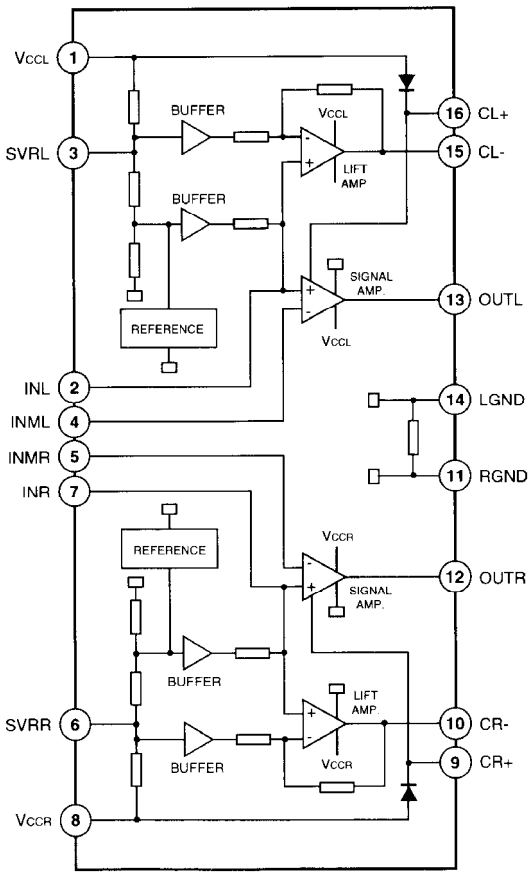
9.2. Display Block

IC905 : YEAMPASB06B2



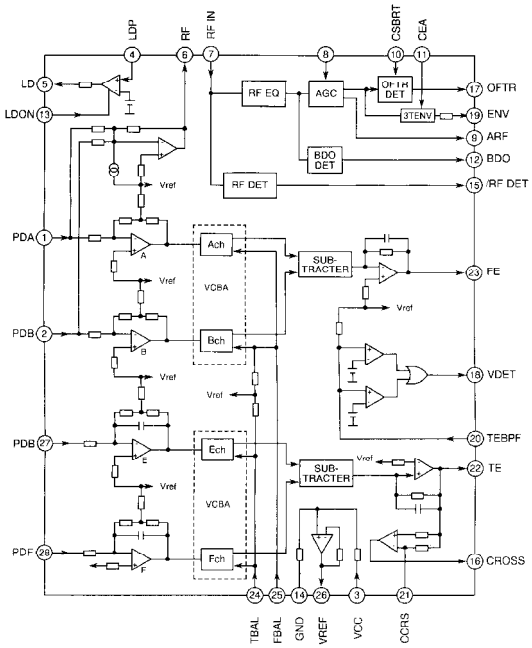
9.3. Pre. Amp. / Sub.W Amp. Block

IC203, 205, 206 : YEAMDA8574TT

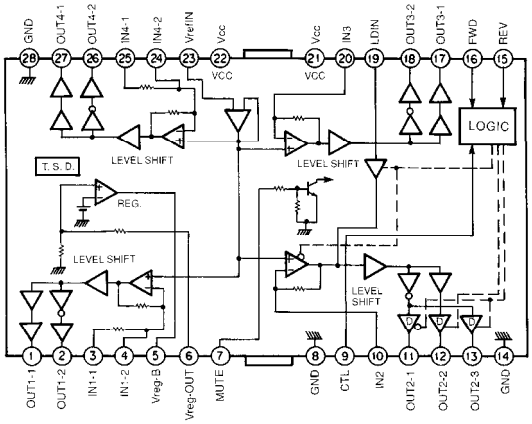


9.4. CD Servo Block

IC1 : AN8835SBE1



IC3 : BA6795FPE2



10. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
5. **"MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).**
6. **"A", "B" or “C” marks in remarks column are indicated as follows :**

   - **A : CQ-DFX501U**
   - **B : CQ-DF401U**
   - **C : CQ-DFX301U**

10.1. Main Block [E6784B]

IC's and TRANSISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
IC201	YEAMEA6320TT	IC	
IC203	YEAMPC4570T1	IC	A
IC204	YEAMPD4053E2	IC	A
IC241	C1EA00000021	IC	A,B
IC241	C1EA00000026	IC	C
IC261	YEAMPC4570T1	IC	
IC262	YEAMM62429FP	IC	
IC280	YEAMM5218AFE	IC	
IC601	C2ABGF000015	IC	
IC650	YEAMC14584BE	IC	A,B
IC701	YEAMM51945AL	IC	
IC702	YEAMA41W12ST	IC	
IC704	AN78N08	IC	
IC800	AN7805F	IC	
PA51	YEAU03A052C	Tuner IC	
Q51	YEANA114YKTX	Transistor	
Q53	YEANA114YKTX	Transistor	
Q54	B1GBCFNN0005	Transistor	
Q230	YEANC143TKT	Transistor	B,C
Q231	YEANC143TKT	Transistor	B,C
Q270	YEANC143TKT	Transistor	
Q291	YEANA144EKTX	Transistor	A
Q292	YEANC323TKT	Transistor	A
Q330	YEANC143TKT	Transistor	B,C
Q331	YEANC143TKT	Transistor	B,C
Q401	YEAN2SK536TB	Transistor	
Q660	YEANA114EKTX	Transistor	
Q661	YEANA114EKTX	Transistor	
Q664	YEANA114YKTX	Transistor	
Q671	YEANA114EKTX	Transistor	
Q672	YEANA114EKTX	Transistor	
Q701	YEAND1859T	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	B1GBCFJN0005	Transistor	
Q705	2SD2139TA	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q801	B1GBCFNN0005	Transistor	
Q802	B1GBCFNN0005	Transistor	
Q803	YEANB1243QRT	Transistor	
Q804	B1GBCFJN0005	Transistor	

DIODEs

Ref. No.	Part No.	Part Name & Description	Remarks
D201	MA151KTX	Diode	A
D261	YEADRD51M2T1	Diode	
D611	LN25RP	Diode	
D640	MA8056LMHTX	Diode	
D680	MA151KTX	Diode	
D681	YEADRD51M2T1	Diode	
D682	MA151KTX	Diode	
D683	YEADRD51M2T1	Diode	
D701	YEADDSA3A2	Diode	
D702	MA151KTX	Diode	
D703	YEADRD56M3T1	Diode	
D704	MA721TX	Diode	
D705	MA704TW	Diode	
D706	YEADRD51M2T1	Diode	
D707	YEADRB100AT	Diode	
D708	YEADRD91M1T2	Diode	
D709	YEADRB100AT	Diode	
D710	MA721TX	Diode	
D712	MA1091LMTA	Diode	
D715	YEADRB100AT	Diode	
D716	YEADRB100AT	Diode	
D801	MA153TX	Diode	
D802	YEADRD27M2T1	Diode	

CAPACITORs

Ref. No.	Part No.	Part Name & Description	Remarks
C51	ECEA1CKA470I	Electrolytic, 47 μF 16WV	
C52	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C53	YECUS1H101JM	Ceramic, 100PF 50WV	
C54	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C57	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C58	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C60	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C61	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C201	YECUS1H101JM	Ceramic, 100PF 50WV	
C202	YECUS1H101JM	Ceramic, 100PF 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3 μF 50WV	
C204	ECEA1HKA3R3I	Electrolytic, 3.3 μF 50WV	A,B
C205	ECEA1HKAR33I	Electrolytic, 0.33 μF 50WV	
C207	YECUS1C224KX	Ceramic, 0.22 μF 16WV	A
C208	YECUS1E333KX	Ceramic, 0.033 μF 25WV	
C209	YECUS1H562KX	Ceramic, 0.0056 μF 50WV	
C210	ECEA1CKA470I	Electrolytic, 47 μF 16WV	
C211	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C217	YECUS1C104KX	Ceramic, 0.1 μF 16WV	A
C218	YECUS1C104KX	Ceramic, 0.1 μF 16WV	A

Ref. No.	Part No.	Part Name & Description	Remarks
C220	YECUS1H123KX	Ceramic, 0.012 F 50WV	A
C221	ECEA1HKAR33I	Electrolytic, 0.33 F 50WV	A
C222	YECUS1H103KX	Ceramic, 0.01 F 50WV	A
C223	ECEA0JKA470I	Electrolytic, 47 F 6.3WV	A
C230	ECEA1CKA100I	Electrolytic, 10 F 16WV	
C231	ECEA1CKA100I	Electrolytic, 10 F 16WV	
C238	YECUS1H221JM	Ceramic, 220PF 50WV	B,C
C239	YECUS1H221JM	Ceramic, 220PF 50WV	B,C
C241	ECEA1HKAR47I	Electrolytic, 0.47 F 50WV	
C242	YECUS1H122KX	Ceramic, 0.0012 F 50WV	
C244	ECEA1HKAR47I	Electrolytic, 0.47 F 50WV	
C245	YECUS1H122KX	Ceramic, 0.0012 F 50WV	
C248	ECA1CDT472Y	Electrolytic, 4700 F 16WV	
C250	YECUV1H101JM	Ceramic, 100PF 50WV	
C251	YECUS1H101JM	Ceramic, 100PF 50WV	
C252	YECUV1H101JM	Ceramic, 100PF 50WV	
C253	YECUS1H101JM	Ceramic, 100PF 50WV	
C260	ECEA1CKA100I	Electrolytic, 10 F 16WV	
C261	ECEA0JKA470I	Electrolytic, 47 F 6.3WV	
C262	YECUS1C224KX	Ceramic, 0.22 F 16WV	
C263	YECUS1E223KX	Ceramic, 0.022 F 25WV	
C264	ECEA1HKA2R2I	Electrolytic, 2.2 F 50WV	
C266	ECEA0JKA470I	Electrolytic, 47 F 6.3WV	
C270	ECEA1CKA100I	Electrolytic, 10 F 16WV	
C274	YECUS1H221JM	Ceramic, 220PF 50WV	
C275	YECUS1H221JM	Ceramic, 220PF 50WV	
C280	YECUS1C104KX	Ceramic, 0.1 F 16WV	
C281	YECUS1H102KX	Ceramic, 0.001 F 50WV	
C282	ECEA1AKA220I	Electrolytic, 22 F 10WV	
C283	YECUS1H103KX	Ceramic, 0.01 F 50WV	
C298	YECUV1C224KX	Ceramic, 0.22 F 16WV	
C299	F1J1H102A034	Ceramic, 0.001 F 50WV	A
C301	YECUS1H101JM	Ceramic, 100PF 50WV	
C302	YECUS1H101JM	Ceramic, 100PF 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3 F 50WV	
C304	ECEA1HKA3R3I	Electrolytic, 3.3 F 50WV	A,B
C305	ECEA1HKAR33I	Electrolytic, 0.33 F 50WV	
C307	YECUS1C224KX	Ceramic, 0.22 F 16WV	A
C308	YECUS1E333KX	Ceramic, 0.033 F 25WV	
C309	YECUS1H562KX	Ceramic, 0.0056 F 50WV	
C310	ECEA0JKA101I	Electrolytic, 100 F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C311	ECEA1CKA470I	Electrolytic, 47 ﾟF F 16WV	
C317	YECUS1C104KX	Ceramic, 0.1 ﾟF F 16WV	A
C318	YECUS1C104KX	Ceramic, 0.1 ﾟF F 16WV	A
C320	YECUS1H123KX	Ceramic, 0.012 ﾟF F 50WV	A
C321	ECEA1HKAR33I	Electrolytic, 0.33 ﾟF F 50WV	A
C322	YECUS1H103KX	Ceramic, 0.01 ﾟF F 50WV	A
C323	ECEA0JKA470I	Electrolytic, 47 ﾟF F 6.3WV	A
C330	ECEA1CKA100I	Electrolytic, 10 ﾟF F 16WV	
C331	ECEA1CKA100I	Electrolytic, 10 ﾟF F 16WV	
C338	YECUS1H221JM	Ceramic, 220PF 50WV	B,C
C339	YECUS1H221JM	Ceramic, 220PF 50WV	B,C
C341	ECEA1HKAR47I	Electrolytic, 0.47 ﾟF F 50WV	
C342	YECUS1H122KX	Ceramic, 0.0012 ﾟF F 50WV	
C344	ECEA1HKAR47I	Electrolytic, 0.47 ﾟF F 50WV	
C345	YECUS1H122KX	Ceramic, 0.0012 ﾟF F 50WV	
C346	ECEA1HKA010I	Electrolytic, 1 ﾟF F 50WV	
C347	ECEA1AKS101	Electrolytic, 100 ﾟF F 10WV	
C348	ECEA1HKS2R2I	Electrolytic, 2.2 ﾟF F 50WV	
C350	YECUV1H101JM	Ceramic, 100PF 50WV	
C351	YECUS1H101JM	Ceramic, 100PF 50WV	
C352	YECUS1H101JM	Ceramic, 100PF 50WV	
C353	YECUV1H101JM	Ceramic, 100PF 50WV	
C360	YECUS1C104KX	Ceramic, 0.1 ﾟF F 16WV	
C361	YECUS1C104KX	Ceramic, 0.1 ﾟF F 16WV	
C380	YECUS1C104KX	Ceramic, 0.1 ﾟF F 16WV	
C381	YECUS1H102KX	Ceramic, 0.001 ﾟF F 50WV	
C402	ECEA1AKS221I	Electrolytic, 220 ﾟF F 10WV	
C403	ECEA1HKA4R7	Electrolytic, 4.7 ﾟF F 50WV	
C404	YECUS1H103KX	Ceramic, 0.01 ﾟF F 50WV	
C405	YECUS1H102KX	Ceramic, 0.001 ﾟF F 50WV	
C510	YECUS1H103KX	Ceramic, 0.01 ﾟF F 50WV	
C601	YECUS1E104ZF	Ceramic, 0.1 ﾟF F 25WV	
C603	YECUS1E104ZF	Ceramic, 0.1 ﾟF F 25WV	
C604	YECUS1H103KX	Ceramic, 0.01 ﾟF F 50WV	
C606	YECUS1H220JM	Ceramic, 22PF 50WV	
C607	YECUS1H220JM	Ceramic, 22PF 50WV	
C608	ECEA0JKA331I	Electrolytic, 330 ﾟF F 6.3WV	
C609	EECS0HD473H	Electrolytic, 0.047F 5WV	
C613	YECUV2A102KX	Ceramic, 0.001 ﾟF F 100WV	
C619	YECUS1E104ZF	Ceramic, 0.1 ﾟF F 25WV	
C635	YECUS1H680JM	Ceramic, 68PF 50WV	
C636	YECUS1H101JM	Ceramic, 100PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C650	YECUS1H103KX	Ceramic, 0.01 μF 50WV	A,B
C651	ECEA0JKA470I	Electrolytic, 47 μF 6.3WV	A,B
C660	ECEA0JKA470I	Electrolytic, 47 μF 6.3WV	
C661	YECUS1H103KX	Ceramic, 0.01 μF 50WV	B,C
C662	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C663	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C680	ECSH1CY225CR	Tantalum, 2.2 μF 16WV	
C681	ECSH1CY225CR	Tantalum, 2.2 μF 16WV	
C701	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C702	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C703	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C704	ECEA0JKA470I	Electrolytic, 47 μF 6.3WV	
C705	ECEA1HKA010I	Electrolytic, 1 μF 50WV	
C706	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C707	ECEA1AKA101I	Electrolytic, 100 μF 10WV	
C708	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C709	ECEA1AKA221I	Electrolytic, 220 μF 10WV	
C710	ECA1CDT102BQ	Electrolytic, 1000 μF 16WV	
C711	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C712	EEAFC1A820H	Electrolytic, 82 μF 10WV	
C714	ECEA0JKA101I	Electrolytic, 100 μF 6.3WV	
C715	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C716	ECSH1VC335PR	Tantalum, 3.3 μF 35WV	
C717	ECEA1CKA470I	Electrolytic, 47 μF 16WV	
C719	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C800	YECUV1H104ZF	Ceramic, 0.1 μF 50WV	
C801	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C802	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C803	ECEA1AKA221I	Electrolytic, 220 μF 10WV	
C804	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	

RESISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
J501	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J502	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J503	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J504	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J505	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J506	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J507	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J508	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J509	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J601	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J602	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J603	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J604	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J605	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
J606	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J607	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J608	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J609	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J610	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J611	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J612	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J613	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J614	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J615	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J616	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J617	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J618	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J619	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J620	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J621	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J622	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J623	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J624	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J625	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J626	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J627	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J628	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J629	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J630	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J631	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J632	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J633	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J634	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J635	ERJ8GX0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J636	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J637	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J638	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J639	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J640	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J641	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J642	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J643	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J644	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J645	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R50	ERJ6GEYJ5R6	Chip, 5.6Ω 1/10W	
R51	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R52	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R53	ERJ6GEYJ431	Chip, 430Ω 1/10W	
R54	ERJ8GEYJ123V	Chip, 12kΩ 1/8W	
R56	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R57	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R59	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R60	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R201	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R202	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R204	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	A,B
R205	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	A,B
R207	ERJ6GEY0R00	Chip, 0Ω 1/10W	B,C
R211	ERJ6GEYJ123	Chip, 12kΩ 1/10W	A
R212	ERJ6GEYJ473	Chip, 47kΩ 1/10W	A
R213	ERJ6GEYJ183	Chip, 18kΩ 1/10W	A
R214	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	A
R215	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	A
R216	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	A
R217	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R218	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R225	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R226	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R230	ERJ6GEYJ561	Chip, 560Ω 1/10W	A
R230	ERJ6GEYJ221	Chip, 220Ω 1/10W	B,C
R232	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	A
R232	ERJ6GEYJ103	Chip, 10kΩ 1/10W	B,C
R235	ERJ6GEYJ561	Chip, 560Ω 1/10W	A
R235	ERJ6GEYJ221	Chip, 220Ω 1/10W	B,C
R237	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	A
R237	ERJ6GEYJ103	Chip, 10kΩ 1/10W	B,C
R240	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R242	ERJ6GEYJ561	Chip, 560Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R255	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R256	ERJ8GEYJ472V	Chip, 4.7k Ω 1/8W	
R257	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R260	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R261	ERJ6GEYJ151	Chip, 150 Ω 1/10W	
R262	ERJ8GEYJ103V	Chip, 10k Ω 1/8W	
R263	ERJ8GEYJ822V	Chip, 8.2k Ω 1/8W	
R264	ERJ8GEYJ433V	Chip, 43k Ω 1/8W	
R267	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R268	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R270	ERJ6GEYJ151	Chip, 150 Ω 1/10W	
R271	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R276	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R277	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R278	ERJ6GEY0R00	Chip, 0 Ω 1/10W	B,C
R280	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R281	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R282	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R283	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R284	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R298	ERJ6GEYJ224	Chip, 220k Ω 1/10W	A
R298	ERJ6GEY0R00	Chip, 0 Ω 1/10W	B,C
R299	ERJ6GEYJ912	Chip, 9.1k Ω 1/10W	
R301	ERJ8GEYJ183V	Chip, 18k Ω 1/8W	
R302	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R304	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	A,B
R305	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	A,B
R307	ERJ6GEY0R00	Chip, 0 Ω 1/10W	B,C
R311	ERJ6GEYJ123	Chip, 12k Ω 1/10W	A
R312	ERJ6GEYJ473	Chip, 47k Ω 1/10W	A
R313	ERJ6GEYJ183	Chip, 18k Ω 1/10W	A
R314	ERJ6GEYJ752	Chip, 7.5k Ω 1/10W	A
R315	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	A
R316	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	A
R317	ERJ6GEYJ103	Chip, 10k Ω 1/10W	A
R318	ERJ6GEYJ103	Chip, 10k Ω 1/10W	A
R330	ERJ6GEYJ561	Chip, 560 Ω 1/10W	A
R330	ERJ6GEYJ221	Chip, 220 Ω 1/10W	B,C
R332	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	A
R332	ERJ6GEYJ103	Chip, 10k Ω 1/10W	B,C
R335	ERJ6GEYJ561	Chip, 560 Ω 1/10W	A
R335	ERJ6GEYJ221	Chip, 220 Ω 1/10W	B,C
R337	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	A
R337	ERJ6GEYJ103	Chip, 10k Ω 1/10W	B,C

Ref. No.	Part No.	Part Name & Description	Remarks
R340	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R342	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R344	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R360	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R380	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R381	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R382	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R383	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R384	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R401	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R402	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R403	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R405	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R406	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R407	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R502	ERJ6GEYJ184	Chip, 180kΩ 1/10W	C
R503	ERJ6GEYJ102	Chip, 1kΩ 1/10W	A,B
R504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	A,B
R603	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R604	ERJ6GEYJ363	Chip, 36kΩ 1/10W	
R605	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R611	ERJ8GEYJ681V	Chip, 680Ω 1/8W	
R614	ERJ8GEYJ563V	Chip, 56kΩ 1/8W	A
R614	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	B,C
R615	ERJ6GEYJ433	Chip, 43kΩ 1/10W	A
R615	ERJ6GEYJ473	Chip, 47kΩ 1/10W	B,C
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R627	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R628	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R629	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R634	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R636	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R638	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R640	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R641	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R643	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R644	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R646	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R648	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R649	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R650	ERJ6GEYJ473	Chip, 47k Ω 1/10W	A,B
R651	ERJ6GEYJ473	Chip, 47k Ω 1/10W	A,B
R652	ERJ6GEYJ473	Chip, 47k Ω 1/10W	A,B
R660	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R661	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R662	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R663	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R671	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R672	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R673	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R674	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R675	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R680	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R681	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R682	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R683	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R684	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R701	ERDS2FJ470	Carbon, 47 Ω 1/4W	
R703	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R704	ERJ8GEYJ684V	Chip, 680k Ω 1/8W	
R705	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R706	ERJ8GEYJ124V	Chip, 120k Ω 1/8W	
R707	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R708	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R709	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R710	ERDS1FJ561	Carbon, 560 Ω 1/2W	
R712	ERJ14YJ1R0H	Chip, 1 Ω 1/4W	
R713	ERDS1FJ181	Carbon, 180 Ω 1/2W	
R714	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R801	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R802	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R804	ERJ6GEYJ473	Chip, 47k Ω 1/10W	

CONNECTORs

Ref. No.	Part No.	Part Name & Description	Remarks
CJ620	YEAET14B140C	Connector, FFC 14P	
CJ651B	YEAE0616YAA	Connector, 6P	A,B
CN201	YEAE012504	Connector, RCA 2P	B
CN270	YEAE012647	Connector, RCA 2P	
CN280	YEAE012503	Connector, RCA 2P	A,B
CN300	YEAE02166	Connector, RCA 4P	C
CN301	YEAE012505	Connector, RCA 2P	B
CN620	YEAE012763	Connector, 14P	
CN650	YEAE012307	Connector, 8P DIN	A,B
CN701	YEAE012748	Connector, 16P	
CP640	YEAE0115MX	Connector, 15P	
CP642	YEAE0104MX	Connector, 4P	

SWITCHEs

Ref. No.	Part No.	Part Name & Description	Remarks
SW601	YEAS08042	Switch	

COILs

Ref. No.	Part No.	Part Name & Description	Remarks
L50	YELT02M330KT	Coil	
L620	YELT02C101KT	Coil	
L640	YELTBLM32A06	Coil	
L641	YELTBLM32A06	Coil	
L702	YETQ026F143	Coil	
L800	ELEH330KA	Coil	

CRYSTALs

Ref. No.	Part No.	Part Name & Description	Remarks
XL601	YEXL49U0450T	Crystal	

LAMPs

Ref. No.	Part No.	Part Name & Description	Remarks
Z50	J0LE00000002	ZNR	

THERMISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
PH720	YERT7AR4R7MT	Thermistor,	

FILTERs

Ref. No.	Part No.	Part Name & Description	Remarks
BPF50	YEXC07T009	Filter	

10.2. Display Block [E8984B]

IC's and TRANSISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
IC901	YEAMLC75884W	IC	
IC905	YEAMPASB06B2	IC	
Q931	YEANSSTA06T	Transistor	
Q932	YEANSSTA06T	Transistor	

DIODEs

Ref. No.	Part No.	Part Name & Description	Remarks
D900	LN1271RAL	Diode	
D926	MA8056LMHTX	Diode	
D927	MA8056LMHTX	Diode	
D928	MA8056LMHTX	Diode	
D929	MA8056LMHTX	Diode	
D930	MA8047MTX	Diode	
D961	MA8056LMHTX	Diode	
D962	MA8056LMHTX	Diode	
D963	MA8056LMHTX	Diode	
D964	MA8056LMHTX	Diode	
D965	MA8056LMHTX	Diode	

CAPACITORs

Ref. No.	Part No.	Part Name & Description	Remarks
C910	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C911	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C915	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C920	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C921	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C923	YECUS1H681JM	Ceramic, 680PF 50WV	
C931	ECEV1CA101WP	Electrolytic, 100 μF 16WV	
C932	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C933	F0F2A2230001	Plastic Film, 0.022 μF 100WV	
C934	F1L3F1200001	Ceramic, 12PF 3000WV	

RESISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
R906	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R907	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R908	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R909	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R910	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R911	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R931	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R932	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R938	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R941	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R942	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R961	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R962	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R963	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R964	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R965	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	

CONNECTORs

Ref. No.	Part No.	Part Name & Description	Remarks
CN901	YEAE012760	Connector, 14P	

SWITCHEs

Ref. No.	Part No.	Part Name & Description	Remarks
SW901	K0H1BA000285	Switch	
SW902	K0H1BA000285	Switch	
SW903	K0H1BA000285	Switch	
SW904	K0H1BA000285	Switch	
SW905	K0H1BA000285	Switch	
SW906	K0H1BA000285	Switch	
SW907	K0H1BA000285	Switch	
SW908	K0H1BA000285	Switch	
SW909	YEAS09312	Switch	
SW910	K0H1BA000285	Switch	
SW911	K0H1BA000285	Switch	
SW912	K0H1BA000285	Switch	
SW913	K0H1BA000285	Switch	
SW914	K0H1BA000285	Switch	
SW915	YEAS09312	Switch	
SW916	K0H1BA000285	Switch	
SW917	K0H1BA000285	Switch	
SW918	K0H1BA000285	Switch	

LCD

Ref. No.	Part No.	Part Name & Description	Remarks
LCD901	L5ACDLC00006	LCD	A
LCD901	L5ACBLC00002	LCD	B,C

COILs

Ref. No.	Part No.	Part Name & Description	Remarks
L901	ETJ11K92AM	Coil	
L931	YELTD75F101T	Coil	

LAMPs

Ref. No.	Part No.	Part Name & Description	Remarks
CFL931	A2CA00000018	Display Tube	A
CFL931	A2CA00000019	Display Tube	B,C

10.3. Amp Block [E8479] / <Only for CQ-DFX501U>

IC's and TRANSISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
IC205	YEAMDA8574TT	IC	A
IC206	YEAMDA8574TT	IC	A
Q232	YEANC323TKT	Transistor	A
Q233	YEANC323TKT	Transistor	A
Q332	YEANC323TKT	Transistor	A
Q333	YEANC323TKT	Transistor	A

CAPACITORs

Ref. No.	Part No.	Part Name & Description	Remarks
C232	ECEA1EKS3R3I	Electrolytic, 3.3 μF 25WV	A
C233	ECEA1EKS3R3I	Electrolytic, 3.3 μF 25WV	A
C234	ECEA1CKS100I	Electrolytic, 10 μF 16WV	A
C235	ECEA1CKS100I	Electrolytic, 10 μF 16WV	A
C236	YECUS1H221JM	Ceramic, 220PF 50WV	A
C237	YECUS1H221JM	Ceramic, 220PF 50WV	A
C250	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	A
C251	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	A
C252	ECEA1AKS101	Electrolytic, 100 μF 10WV	A
C253	ECEA1AKS470I	Electrolytic, 47 μF 10WV	A
C254	ECEA1AKS221I	Electrolytic, 220 μF 10WV	A
C255	YECUS1C104KX	Ceramic, 0.1 μF 16WV	A
C256	ECEA1AKS101	Electrolytic, 100 μF 10WV	A
C332	ECEA1EKS3R3I	Electrolytic, 3.3 μF 25WV	A
C333	ECEA1EKS3R3I	Electrolytic, 3.3 μF 25WV	A
C334	ECEA1CKS100I	Electrolytic, 10 μF 16WV	A
C335	ECEA1CKS100I	Electrolytic, 10 μF 16WV	A
C336	YECUS1H221JM	Ceramic, 220PF 50WV	A
C337	YECUS1H221JM	Ceramic, 220PF 50WV	A
C350	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	A

Ref. No.	Part No.	Part Name & Description	Remarks
C351	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	A
C352	ECEA1AKS101	Electrolytic, 100 μF 10WV	A
C353	ECEA1AKS221I	Electrolytic, 220 μF 10WV	A
C354	ECEA1AKS470I	Electrolytic, 47 μF 10WV	A
C355	YECUS1C104KX	Ceramic, 0.1 μF 16WV	A
C357	ECEA1AKS101	Electrolytic, 100 μF 10WV	A

RESISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
R231	ERJ6GEYJ221	Chip, 220Ω 1/10W	A
R234	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R236	ERJ6GEYJ221	Chip, 220Ω 1/10W	A
R238	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R251	ERJ6GEYJ393	Chip, 39kΩ 1/10W	A
R252	ERJ6GEYJ273	Chip, 27kΩ 1/10W	A
R253	ERJ6GEYJ273	Chip, 27kΩ 1/10W	A
R254	ERJ6GEYJ393	Chip, 39kΩ 1/10W	A
R331	ERJ6GEYJ221	Chip, 220Ω 1/10W	A
R334	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R336	ERJ6GEYJ221	Chip, 220Ω 1/10W	A
R338	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R351	ERJ6GEYJ393	Chip, 39kΩ 1/10W	A
R352	ERJ6GEYJ273	Chip, 27kΩ 1/10W	A
R353	ERJ6GEYJ273	Chip, 27kΩ 1/10W	A
R354	ERJ6GEYJ393	Chip, 39kΩ 1/10W	A

CONNECTORs

Ref. No.	Part No.	Part Name & Description	Remarks
CJ301	K1ZZ00000965	Connector, 10P	A
CN202	YEAE012505	Connector, RCA 2P	A
CN302	YEAE012504	Connector, RCA 2P	A

10.4. Sub. Woofer Block [E8474] / <Only for CQ-DFX501U>

IC's and TRANSISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
IC203	YEAMDA8574TT	IC	A

CAPACITORs

Ref. No.	Part No.	Part Name & Description	Remarks
C273	YECUS1C104KX	Ceramic, 0.1 F 16WV	A
C274	YECUS1H152KX	Ceramic, 0.0015 F 50WV	A
C275	ECEV1CA101P	Electrolytic, 100 F 16WV	A
C276	ECEV1CA470SP	Electrolytic, 47 F 16WV	A
C277	YECUV1A335KX	Ceramic, 3.3 F 10WV	A

RESISTORs

Ref. No.	Part No.	Part Name & Description	Remarks
R258	ERJ6GEYJ393	Chip, 39k 1/10W	A
R262	ERJ6GEYJ273	Chip, 27k 1/10W	A

CONNECTORs

Ref. No.	Part No.	Part Name & Description	Remarks
CJ202	YEAE0104ASI	Connector, 4P	A
CJ203	YEAE0103ASI	Connector, 3P	A

10.5. Connector Block [E8497B]

DIODEs

Ref. No.	Part No.	Part Name & Description	Remarks
D642	LNJ306G5TUWQ	Diode	
D643	LNJ306G5TUWQ	Diode	

CONNECTORs

Ref. No.	Part No.	Part Name & Description	Remarks
CJ640	YEAE0115MPA	Connector, 15P	
CJ642	YEAE0104MPA	Connector, 3P	
CP641	YEAE012761	Connector, 14P	

SWITCHEs

Ref. No.	Part No.	Part Name & Description	Remarks
SW610	YEAS09267	Switch	

10.6. Accessories

PRINTING

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFM283660	Operating Instructions	

INSTALLATION PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ02792	Power Cord w/Plug	
	CR2025/1F	Battery	
	YEFG04019	Rear Support Strap	
	YEFX0214898	Mounting Collar	
	YEFX9992013	Remote Controller	
	YEFA131302	Removable Face Plate Case	
	YGP9FZ2714	Screw Kit	

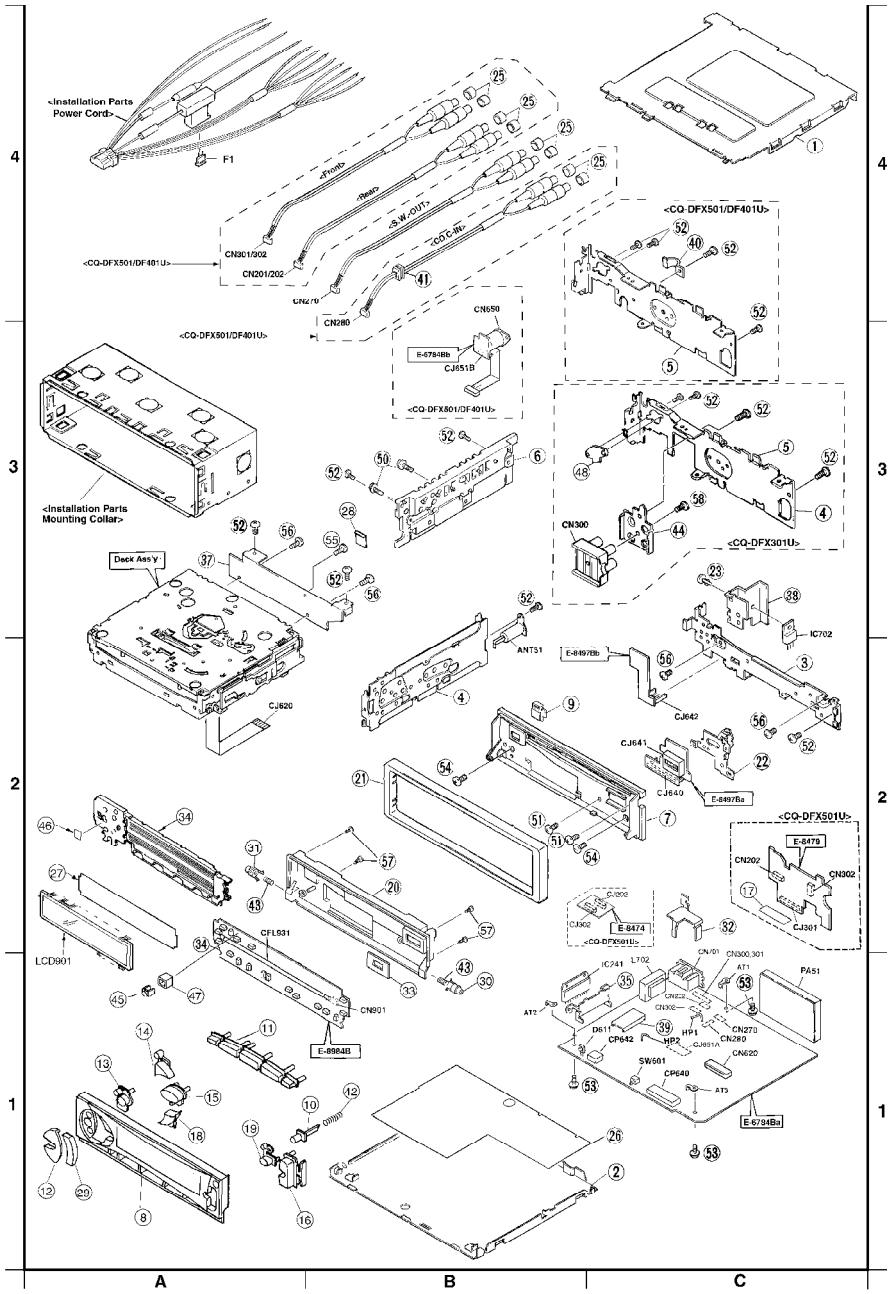
10.7. Mechanical Parts

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
F1	YEAF02015	Fuse, 15A	⚠
FU931	YEAFSSFC0R4A	Fuse, 0.4A	⚠
ANT51	YGAA10082	Antenna Receplacle	
AT1	K4ZZ01000044	Terminal	A
AT1-3	YEAT03420	Terminal	
HP1,2	YEAT03324	Terminal	A,B
1	YEFA031359E	Upper Cover	(4-C)
2	YEFA05594B	Bottom Cover	(1-B)
3	YEP9FX068A	Front Chassis Ass'y	(2-C)
4	YEFA09508	Side Plate	(2-B)
5	YEFA08461AK	Rear Plate	A,B (4-C)
5	YEFA08462AK	Rear Plate	C (3-C)
6	YEFF01921	Heat Sink	(3-B)
7	YEFC025658A	Escucheon Ass'y, Unit	(2-B)
8	YEFC027118	Escucheon Ass'y, Detachable	A (1-A)
8	YEFC027119	Escucheon Ass'y, Detachable	B (1-A)
8	YEFC027120	Escucheon Ass'y, Detachable	C (1-A)
9	YEFE135147	Button, EJECT	(2-B)
10	YEFE136599	Button, OPEN	(1-A)
11	YEFE136582	Button, PRESET	(1-A)
12	YEFE136551	Button, VOL.	(1-A)
13	YEFE136552	Button, SEL	(1-A)
14	YEFE136553	Button, BAND	(1-A)
15	YEFE136555	Button, TUNE/TRACK	(1-A)
16	YEFE136581	Button, REP/LEV	(1-A)
17	YEFL02634	Spacer	A,B (2-C)
18	YEFE136554	Button, S-HDB	A (1-A)
18	YEFE136559	Button, LOUD	B,C (1-A)
19	YEFE136556	Button, SOURCE	(1-A)
20	YEFA131561	Cover	(2-B)
21	YEFC05581	Trim Plate	(2-B)
22	YEP9FX069	Hook Bracket Ass'y	(2-C)
23	YEFJ05046	Color Rivet	(3-C)
25	YEFR04187	Lead Cap	(4-B)
26	YEFV011813	Insulator	(1-B)
27	YEFV021596	Optical Shade	(2-A)
28	YEFV011890	Insulator	(3-B)
29	YEFX0012124	Transparent Plate	(1-A)
30	YEFW04156	Shaft Collar	(1-B)
31	YEFW04157	Shaft Collar	(2-A)

Ref. No.	Part No.	Part Name & Description	Remarks
32	YEFX0214422	Bracket, CN701	(2-C)
33	YEFV011928	Insulator	(1-B)
34	YEFX0012125	Transparent Plate	(2-A)
35	YEFX0213945B	Bracket, IC241	(1-C)
37	YEFX0214481	Bracket, Deck	(3-A)
38	YEFX0214423	Bracket, IC702	(3-C)
39	YEFX0214168	Bracket, IC704	(1-C)
40	YEFX007082	Cord Clamper	A,B (4-C)
41	YEFX007380	Cord Clamper	(4-B)
42	YEFX0052396	Spring	A (1-A)
43	YEFX0052253	Spring	A (2-A)(1-B)
44	YEFX0213650	Bracket, RCA	C (3-C)
45	YEFX0012170	Transparent Plate	(1-A)
46	YEFV021781	Optical Shade	(2-A)
47	YEFK06967	Holder	(1-A)
48	YEFX0214689	Bracket	C (3-C)
50	YEJS06092	Screw, M3x10mm	
51	YEJS03020	Screw, M2x4mm	
52	XTB3+6FFX	Tapping Screw, M3x6mm	
53	YEJT03009	Screw, M3x8mm	
54	YGJT03156	Tapping Screw, M2.6x5	
55	XTB2+5FFX	Tapping Screw, M2x5mm	
56	XTB26+6GFX	Tapping Screw, M2.6x6	
57	XTN2+8GFZ	Tapping Screw, M2x8mm	A
58	XTB3+8GFX	Screw, M3x8mm	B,C

11. EXPLODED VIEW (Unit)



12. CD PLAYER PARTS LIST

Note:

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. / When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a load map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accrdance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
5. **"A" marks in remarks column are indicated supply parts of Audio Division(AD) in Matsushita Electric Industrial Co., Ltd.(MEI)**
6. **"V" marks in remarks column are indicated supply parts of Video System Division(VSD) in Matsushita Electric Industrial Co., Ltd.(MEI)**

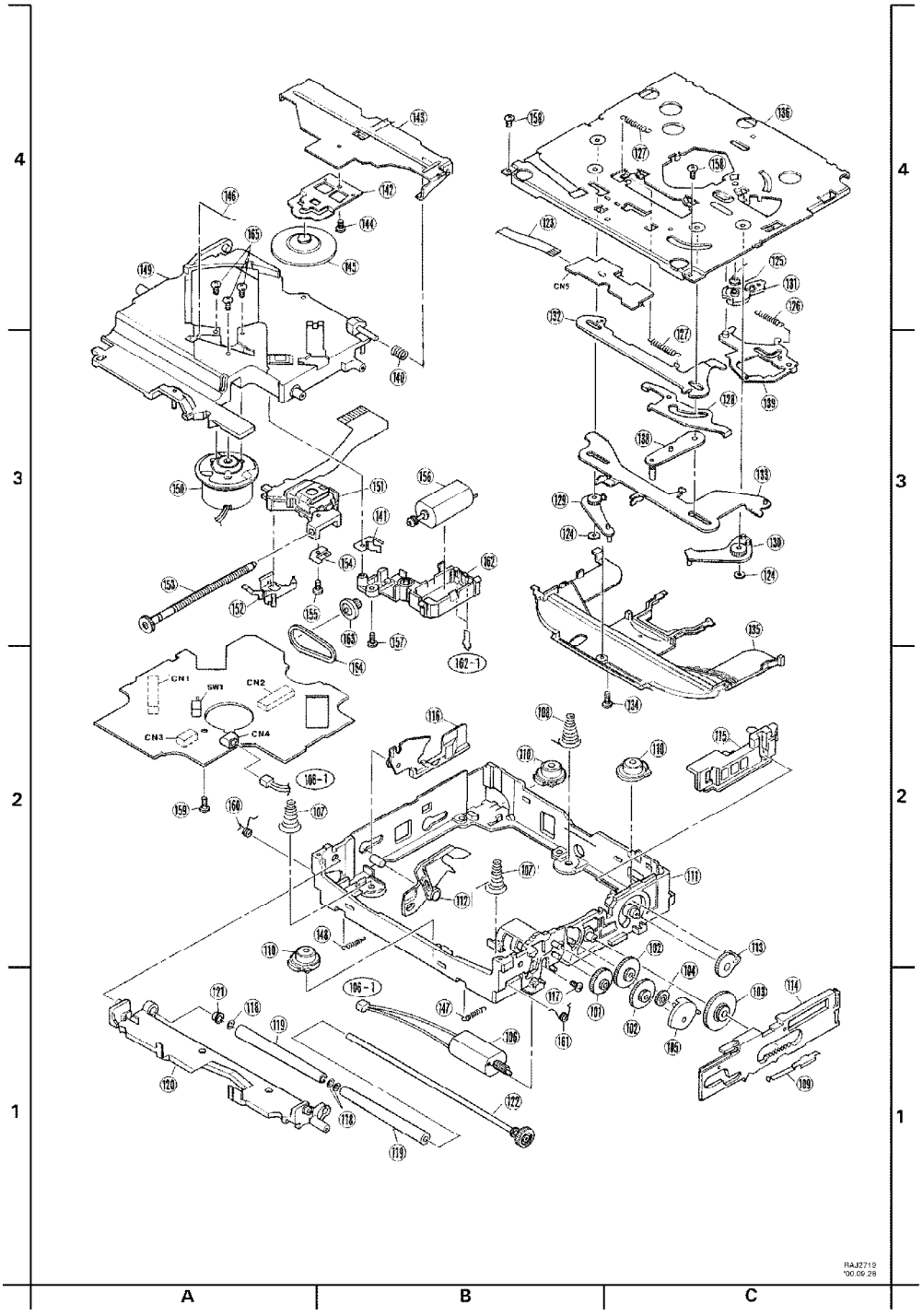
Ref. No.	Part No.	Part Name & Description	Remarks
IC's and Transisrtors			
IC1	AN8835SB	IC	V
IC2	MN6627481RPM	IC	V
IC3	BA6795FPE2	IC	V
IC4	C2BBFD000218	IC	V
Q1	2SA1037AKTXR	Transistor	V
Q101,102	2SD1819A-R	Transistor	V
Capacitors			
C1	RCSX0JX226RE	Tantalum,22MFD 6.3WV	
C3	ECEA0JKA101	Electrolytic,100MFD 6.3WV	
C4	ECUX1A105ZFV	Chip,1MFD 10WV	V
C5	ECUX1A105ZFV	Chip,1MFD 10WV	V
C6,C7	ECUX1C104KBV	Chip,0.1MFD 16WV	V
C8	ECUX1H272KBV	Chip,0.0027MFD 50WV	V
C9	ECUX1C273KBV	Chip,0.027MFD 16WV	V
C10,11	ECUX1C104KBV	Chip,0.1MFD 16WV	V
C12	ECUX1H222KBV	Chip,0.0022MFD 50WV	V
C13	ECUX1H182KBV	Chip,0.0018MFD 50WV	V
C14	ECUX1C104KBV	Chip,0.1MFD 16WV	V
C15	ECUX1C473KBV	Chip,0.047MFD 16WV	V
C16	ECUX1E223KBV	Chip,0.022MFD 25WV	V
C17	ECUX1C273KBV	Chip,0.027MFD 16WV	V
C18	ECUX1H471KBV	Chip,470pF 50WV	V
C19	ECUX1C104KBV	Chip,0.1MFD 16WV	V
C20	ECUX1E223KBV	Chip,0.022MFD 25WV	V
C21	ECUM1C474KBN	Chip,0.47MFD 16WV	V

Ref. No.	Part No.	Part Name & Description	Remarks
C23	ECUX1H070DCV	Chip,7pF 50WV	V
C24	ECUX1H220JCV	Chip,22pF 50WV	
C25	ECUX1C104ZFV	Chip,0.1MFD 16WV	V
C26,27	ECUX1H102KBV	Chip,0.001MFD 50WV	V
C28	ECUX1H223ZFV	Chip,0.022MFD 50WV	V
C29	RCE0JPK221IG	Electrolytic,220MFD 6.3WV	V
C30	F1H1A154A022	Chip,0.15MFD 10WV	V
C33	RCE0JPK221IG	Electrolytic,220MFD 6.3WV	V
C34	ECUX1H561KBV	Chip,560pF 50WV	V
C35	ECEA0JKA101	Electrolytic,100MFD 6.3WV	
C36	ECEA1AKA221	Electrolytic,220MFD 6.3WV	
C37	ECUX1A105ZFV	Chip,1MFD 10WV	V
C38	ECEA0JKA221	Electrolytic,220MFD 6.3WV	
C39	ECUX1A105ZFV	Chip,1MFD 10WV	V
C40	ECUX1H472KBV	Chip,0.0047MFD 50WV	V
C42	ECUX1A105ZFV	Chip,1MFD 10WV	V
C44	F1H1H331A190	Chip,330pF 50WV	V
C46	ECUX1A105ZFV	Chip,1MFD 10WV	V
C54	ECUX1H103KBV	Chip,0.01MFD 50WV	V
C56	F1H1H221A190	Chip,220pF 50WV	V
C101	ECUX1H151JCV	Chip,150pF 50WV	
Resistors			
R1	ERJ6GEYJ150	Chip,15 ohms 1/10W	
R2	ERJ3GEYJ221V	Chip,220 ohms 1/16W	
R3	ERJ6GEYJ150	Chip,15 ohms 1/16W	
R5	ERJ3GEYJ330V	Chip,33 ohms 1/16W	
R6	ERJ3GEYJ224V	Chip,220k ohms 1/16W	
R7	ERJ3GEYJ184V	Chip,180k ohms 1/16W	
R8	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R9	ERJ3GEYJ103V	Chip,100 ohms 1/16W	
R10	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R11	ERJ3GEYJ103V	Chip,10k ohms 1/16W	
R12	ERJ3GEYJ393V	Chip,3.9k ohms 1/16W	
R13	ERJ3GEYJ183V	Chip,18k ohms 1/16W	
R14,15	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R16	ERJ3GEYJ154V	Chip,150k ohms 1/16W	
R17	ERJ3GEYJ683V	Chip,68k ohms 1/16W	
R18	ERJ3GEYG471V	Chip,470 ohms 1/16W	
R20	ERJ3GEYJ101V	Chip,100 ohms 1/16W	
R21,22	ERJ3GEYJ220V	Chip,22 ohms 1/16W	
R23	ERJ3GEYG822V	Chip,8.2k ohms 1/16W	
R24	ERJ3GEYJ103V	Chip,10k ohms 1/16W	
R25	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R26	ERJ3GEYJ333V	Chip,33k ohms 1/16W	
R27	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R28,29	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R30	ERJ3GEYJ103V	Chip,10k ohms 1/16W	
R31-37	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R39-41	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R42-46	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R47	ERJ3GEYJ121V	Chip,120 ohms 1/16W	
R48	ERJ6GEYJ1R8	Chip,1.8 ohms 1/10W	
R49	ERJ3GEYJ155V	Chip,1.5M ohms 1/16W	

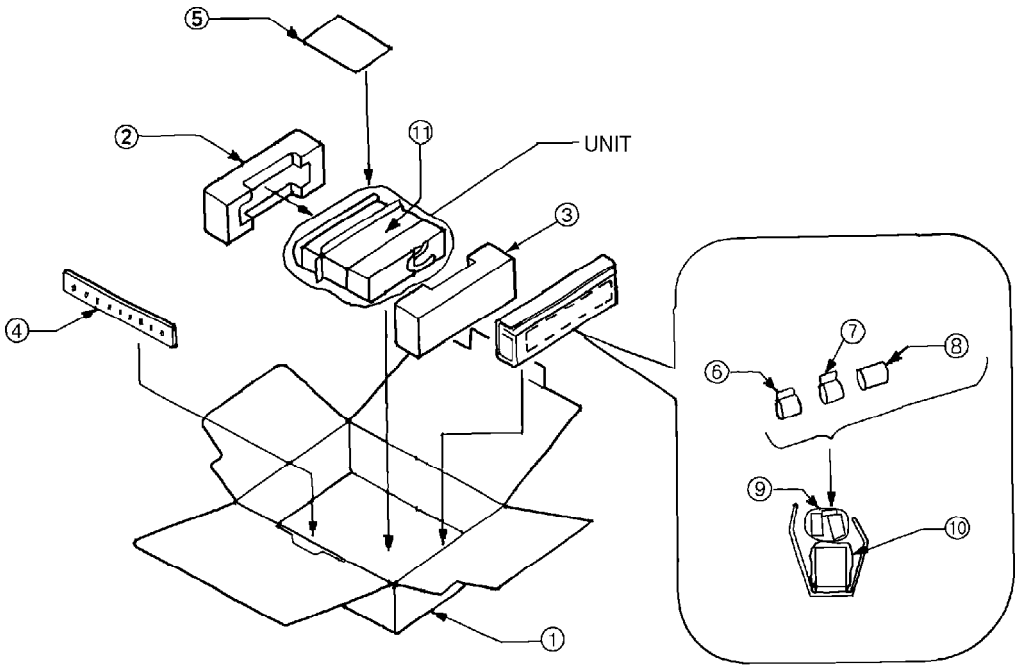
Ref. No.	Part No.	Part Name & Description	Remarks
R50-56	ERJ3GEYJ473V	Chip,47k ohms 1/16W	
R57	ERJ3GEYG472V	Chip,4.7k ohms 1/16W	
R58	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R62	ERJ3GEYJ272V	Chip,2.7k ohms 1/16W	
R63	ERJ3GEYG102V	Chip,1k ohms 1/16W	
R64	ERJ6GEYJ2R2	Chip,2.2 ohms 1/10W	
R101	ERJ3GEYJ105V	Chip,1M ohms 1/16W	
R102	ERJ3GEYJ224V	Chip,220k ohms 1/16W	
J1	ERJ8GEY0R00V	Chip,0 ohms 1/8W	
RJ8	ERJ8GEY0R00V	Chip,0 ohms 1/8W	
Oscillators			
X1	RVBCST4R00MT	Ceramic Oscilator	V
X2	RSXC16M9S01T	Ceramic Oscilator	V
Switches			
SW1	ESE11SH2	SW	V
SW2	RSP1A015-A	SW	V
SW4	RSP1A015-A	SW	V
SW5	RSP1A015-A	SW	V
Connectors			
CN1	RJS2A1816T	Connector,16P	V
CN2	RJS1A7114T	Connector,16P	V
CN3	RJS1A7105T	Connector,16P	V
CN4	RJP2G17ZA	Connector,2P	V
CN5	RJS2A1405	Connector,5P	V
Miscellaneous			
101	RDG0350	Gear	V(1-B)
102	RDG0351	Gear N2	V(1-C)
103	RDG0352	Loading Gear	V(1-C)
104	RDG0353	Roller Drive Gear	V(1-C)
105	RDG0354	Roller Drive Arm	V(1-C)
106	REM0060	Loading Motor	V(1-B)
106-1	REE0669	Lead Wire	V(2-A) (1-B)
107	RMB0465	Spring	V(2-A) (2-B)
108	RMB0466	Spring	V(2-A)
109	RMC0292	Main Slider Spring	V(1-C)
110	RMG0408-K	Insullator	V(2-A) (2-B)
111	RMK0309	Mechanism Frame	V(2-B)
112	RML0432	Lock Arm	V(2-B)
113	RML0433	Drive Arm	V(2-C)
114	RMR0952-W	Main Slider	V(1-C)
115	RMR0953-W	Lift Slider	V(2-C)
116	RMR0954-W	Lock Slider	V(2-B)
117	XYN2+C6	Screw,2mm * 5mm	V(1-B)
118	RHW31005	Washer	V(1-A)
119	RMG0382-H	Rubber Roller	V(1-A)

Ref. No.	Part No.	Part Name & Description	Remarks
120	RML0434	Roller Arm	V(1-A)
121	RMR0769-W	Roller Bering	V(1-A)
122	RXJ0017	Roller Shaft	V(1-B)
123	REE0668	Flexible PCB	V(4-B)
124	RHW27004	Washer	V(3-C)
125	RMB0461	Spring	V(4-C)
126	RMB0468	Spring	V(4-C)
127	RMB0489	Spring	V(4-C) (3-C)
128	RML0428	Switch Lever	V(3-C)
129	RML0430	Trigger Lever L	V(3-C)
130	RML0431	Trigger Lever R	V(3-C)
131	RML0435	Lock Lever	V(4-C)
132	RMM0155	Slider A	V(3-C)
133	RMM0156	Slider B	V(3-C)
134	RMQ0597	Screw	V(2-C)
135	RMR0951-W	Disc Guide	V(2-C)
136	RXK0201	Upper Chssis	V(4-C)
138	RXL0135	CD Detect Lever R	V(3-C)
139	RXL0136	Control Arm	V(3-C)
140	RMB0462	Spring	V(3-B)
141	RMC0295	Drive Shaft Retainer	V(3-B)
142	RMC0293	Clamper Retainer	V(4-B)
143	RML0429	Clamp Arm	V(4-B)
144	RMQ0467	Screw	V(4-B)
145	RMR0956-W	Clamper	(4-B)
146	RMB0345-2	Spring	V(4-A)
147	RMB0445	Spring	V(1-B)
148	RMB0467	Spring	V(2-B)
149	RXK0199	Traverse Chassis	V(4-A)
150	RFKPAJ2751K	Spindle Motor	V(3-A)
151	RAF0140A	Oprical Pickup	V(3-B)
152	RMC0294	Optical Pickup Retainer	V(3-A)
153	RXJ0018	Drive Shaft	V(3-A)
154	RXQ0474	Boad Nut	V(3-B)
155	XQN17+BG45	Screw	V(3-B)
156	REM0061	Traverse Motor	V(3-B)
157	XTW2+6S	Screw,2mm * 6mm	V(3-B)
158	XQN2+CJ8	Screw,2mm * 8mm	V(4-C)
159	XTW2+6S	Screw,2mm * 6mm	V(2-A)
160	RMB0463	Spring	V(2-A)
161	RMB0464	Spring	V(1-B)
162	RXQ0476	Holder	V(3-B)
162-1	RMA0921	Terminal Board	V(3-B)
163	RDP0084	Pulley	V(3-B)
164	RDV0030	Belt	V(2-B)
165	RMQ0461	Screw	V(4-A)

13. EXPLODED VIEW (CD Deck)



14. PACKING PARTS LIST



- Item numbers listed below should not order regular spare parts. (not available)

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad Front	1	Not available
3	-	Packing Pad Rear	1	Not available
4	YEFG04019	Rear Support Strap	1	
5	YEP9PR3500	Instruction Book Kit	1	Not available
	YEFM283660	Instruction Book	(1)	
		Warranty Card	(1)	Not available
		Servicenter List	(1)	Not available
6	YGP9FZ2714	Screw Kit	1	
7	CR2025/1F	Battery	1	
8	YEFX9992013	Remote Control Unit	1	
9	YEAJ02792	Power Connector	1	
10	YEFA131302	Removal Face Plate Case	1	
11	YEFX0214898	Mounting Collar	1	

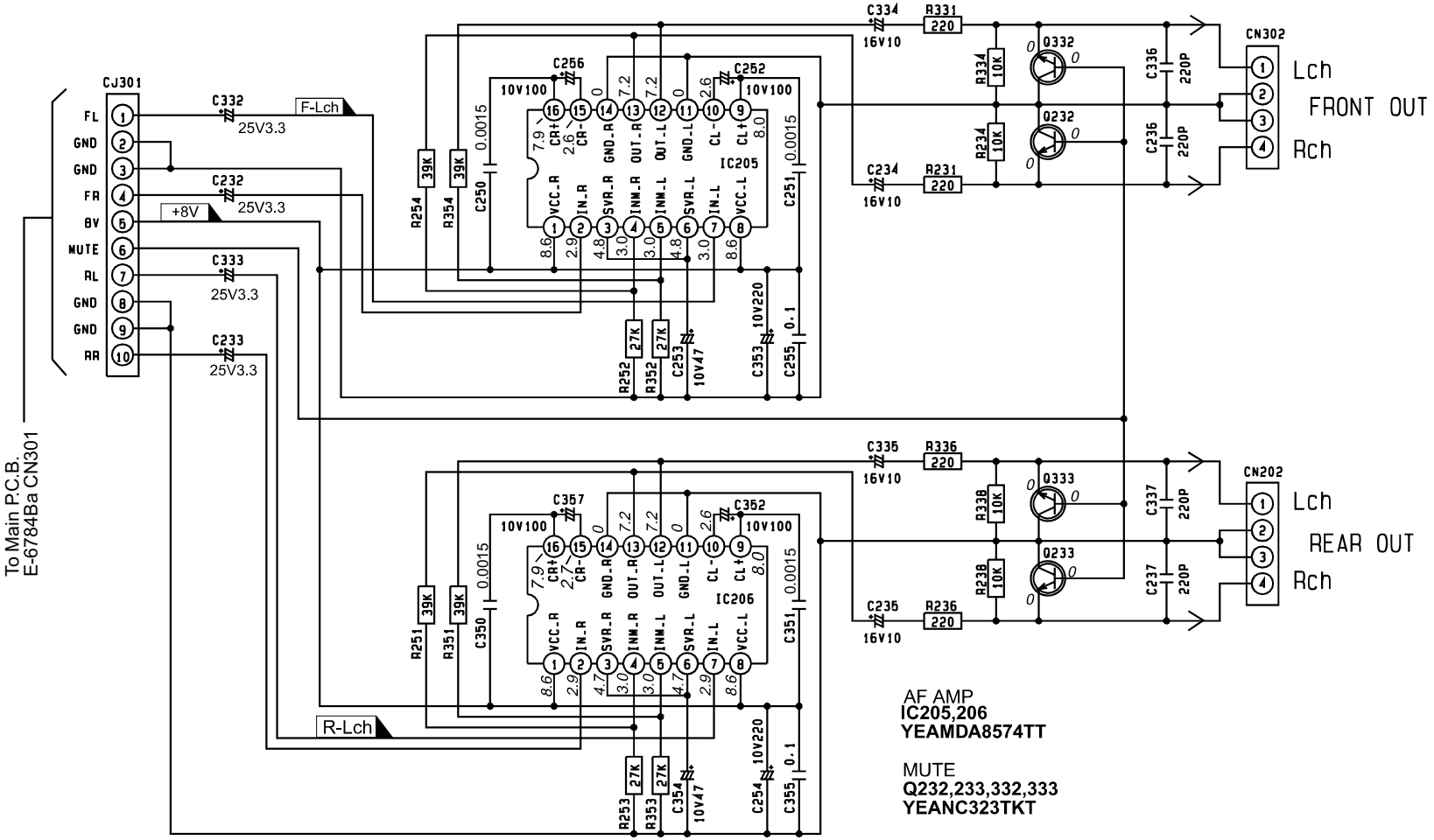
15. WIRING DIAGRAM

15.1. Display Block

15.2. Main Block (Top View)

15.3. Main Block (Bottom View)

15.4. CD Servo Block (Top View)
15.5. CD Servo Block (Bottom View)
15.6. Pre. Amp. Block <Only for CQ-DFX501U>
15.7. Sub.W Amp. Block <Only for CQ-DFX501U>
15.8. Sub. Block
16. SCHEMATIC DIAGRAM (1)
16.1. Sub. Block
17. SCHEMATIC DIAGRAM (2)
17.1. Display Block
17.2. Main Block
17.3. CD Servo Block
17.4. Pre. Amp. Block



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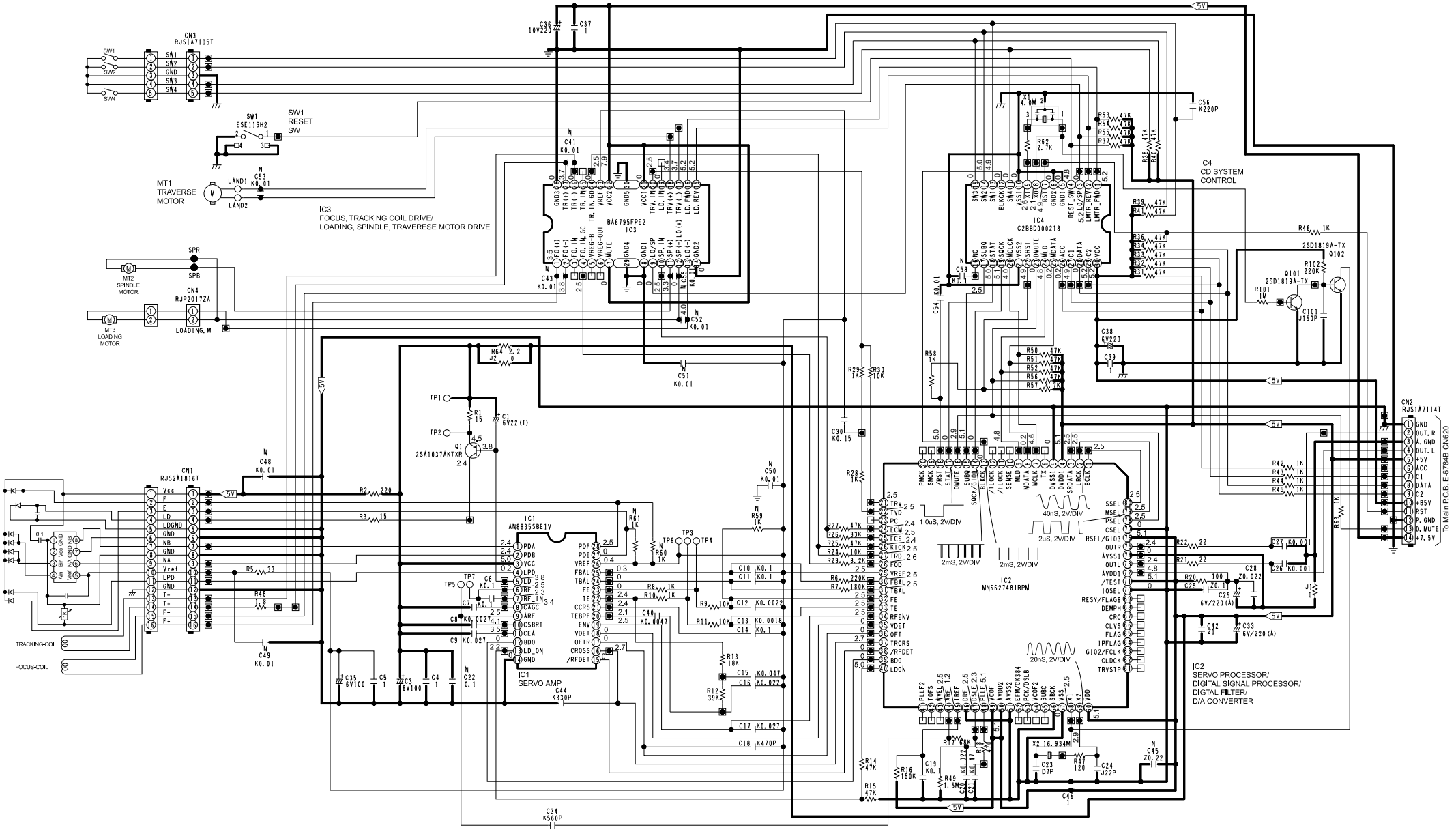
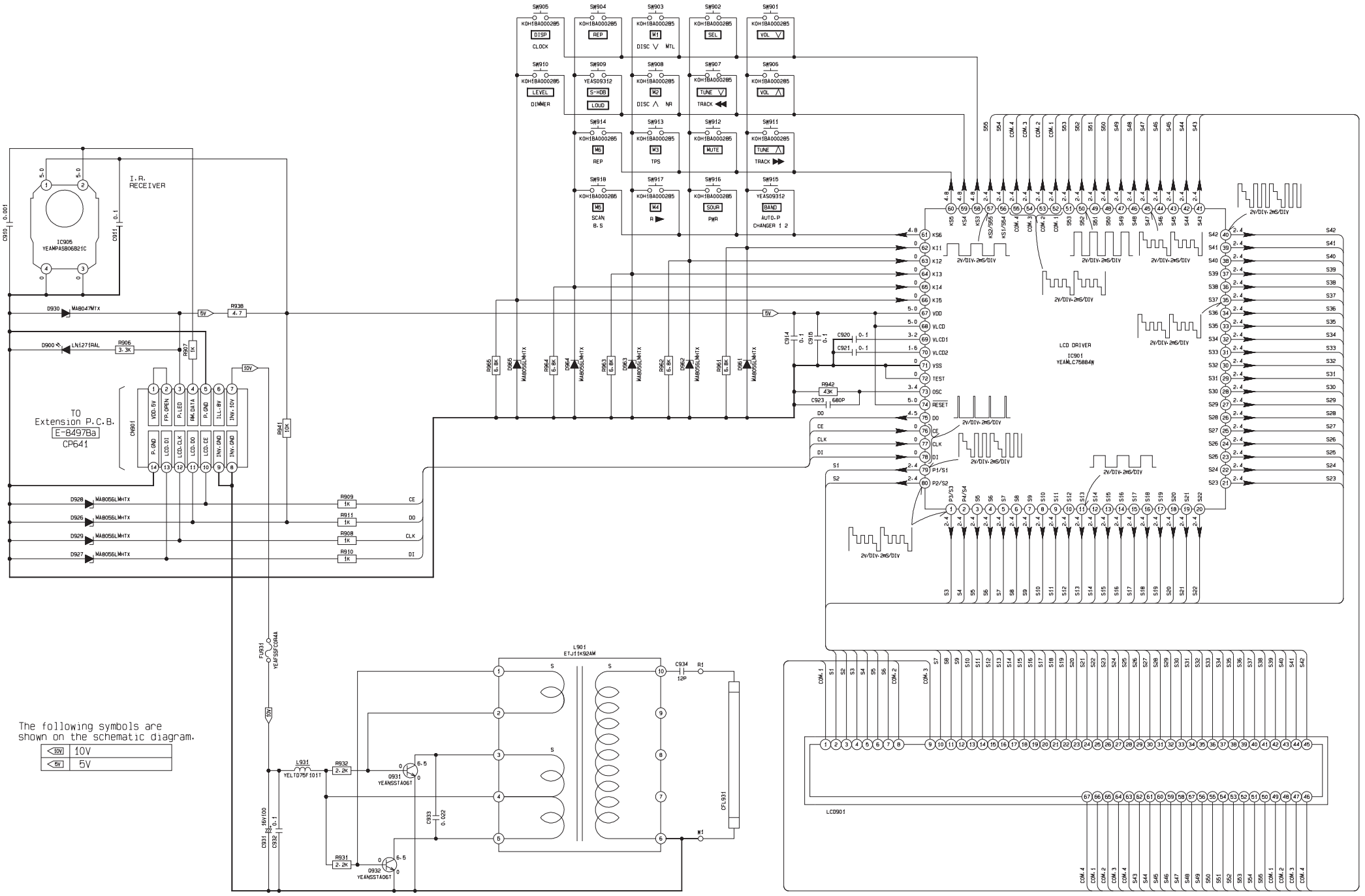
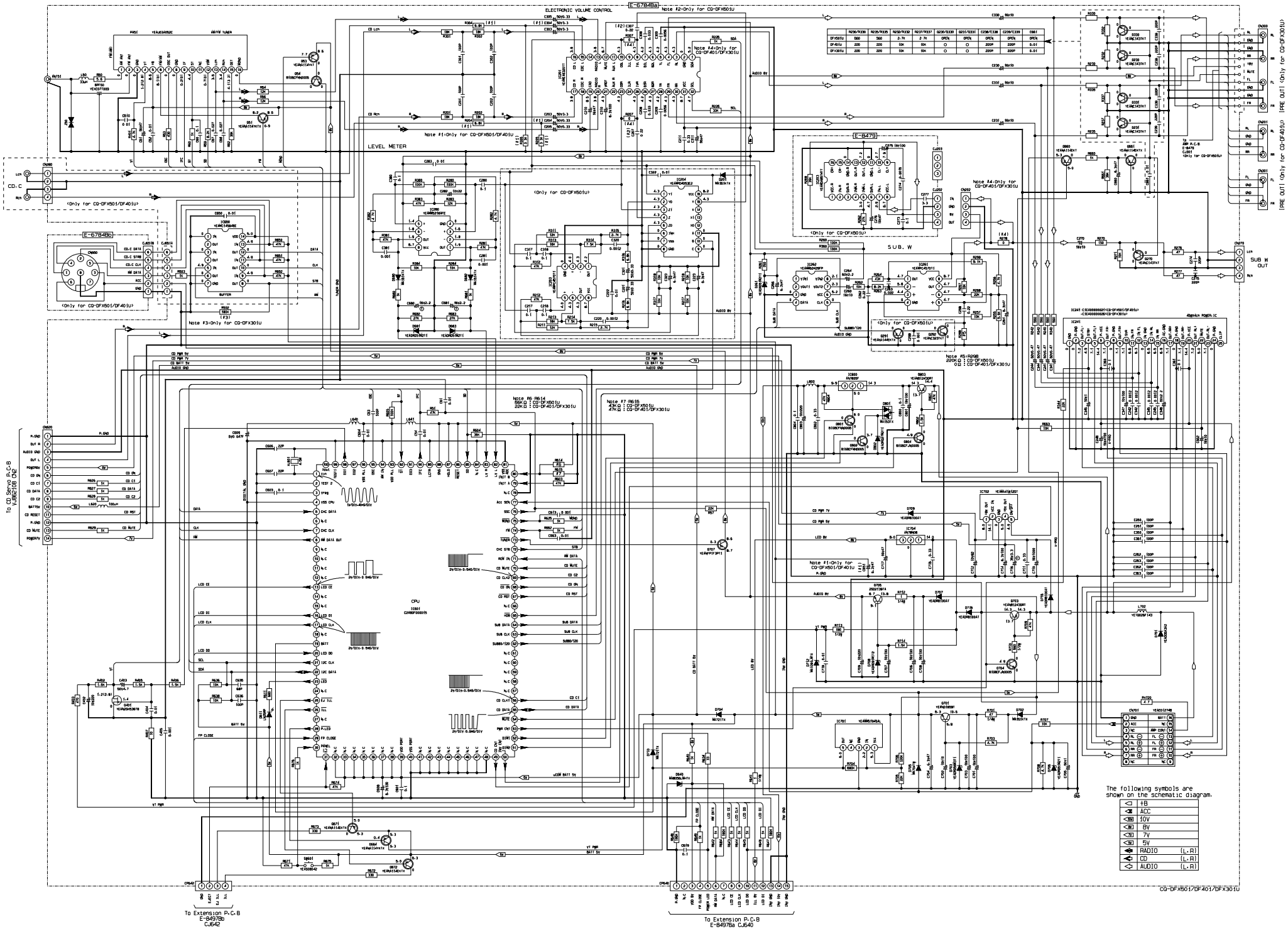
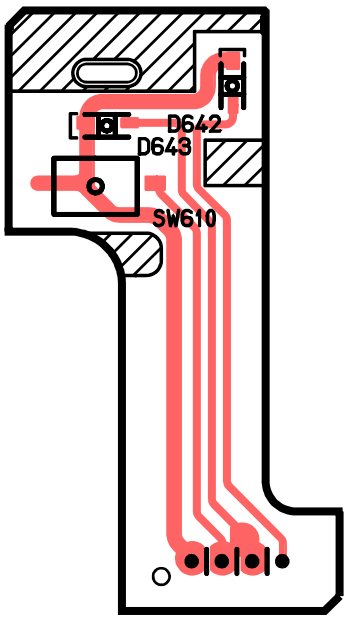

CN3
RJS1A7105T
SW1
SW2
SW4
SW1
ESE11SH2
SW1
RESET
SW
MT1
TRAVERSE
MOTOR
LAND1
LAND2
C53
K0.01
IC3
FOCUS, TRACKING COIL DRIVE/
LOADING, SPINDLE, TRAVERESE MOTOR DRIVE
BA6795FPE2
IC3
C36
10V220
C37
1
C41
K0.01
C43
K0.01
C52
K0.01
C51
K0.01
MT2
SPINDLE
MOTOR
SPR
SPB
CN4
RJP2G17ZA
MT3
LOADING
MOTOR
LOADING, M
5V
R64
2.2
J2
TP1
TP2
R1
15
C1
6V22 (T)
Q1
2SA1037AKTXR
CN1
RJS2A1816T
Vcc
F
E
LD
LDGND
GND
NB
GND
NA
Vref
LPD
GND
T-
T+
F-
F+
TRACKING-COIL
FOCUS-COIL
R2
220
R3
15
R5
33
R48
1.8
C48
K0.01
C49
K0.01
C35
6V100
C5
1
C3
6V100
C4
1
C22
0.1
C8
K0.0027
C9
K0.027
C6
K0.1
C7
K0.1
IC1
AN88355BE1V
PDA
PDB
VCC
LPD
LD
RF_IN
CAGC
ARF
CSBRT
CEA
BDO
LD_ON
GND
PDF
PDE
VREF
FBAL
TBAL
FE
TE
CCRS
TEBPF
ENV
VDET
OFTR
CROSS
/RFDET
IC1
SERVO AMP
C44
K330P
C34
K560P
R61
1K
R60
1K
TP3
TP4
TP6
TP5
TP7
R8
1K
R10
1K
R9
10K
R11
10K
R13
18K
R12
39K
C10
K0.1
C11
K0.1
C12
K0.0022
C13
K0.0018
C14
K0.1
C15
K0.047
C16
K0.022
C17
K0.027
C18
K470P
C40
K0.0047
C50
K0.01
C59
K0.01
R59
1K
R58
1K
R29
1K
R30
10K
C30
K0.15
R28
1K
R27
47K
R26
33K
R25
47K
R24
10K
R23
8.2K
R6
220K
R7
180K
IC2
MN6627481RPM
TRV
TVD
PC
ECM
ECS
KICK
TRD
FOD
VREF
FBAL
TBAL
FE
TE
RFENV
VDET
OFT
TRCRS
/RFDET
BDO
LDON
PLLF2
TOFS
WVEL
TREF
TDEF
PSELF
VCOF
AVDD2
AVSS2
EFM/CK384
PCK/DSLB
SUBC
SBCK
VSS
XT
VDD
R17
68K
R18
47K
R19
47K
R16
150K
R49
1.5M
R14
47K
R15
47K
C19
K0.1
C21
K0.022
C20
K0.47
X2 16.934M
C23
D7P
R47
120
C24
J22P
C45
Z0.22
C46
1
IC4
CD SYSTEM
CONTROL
C56
K220P
X1
4.0M
R62
2.7K
R53
47K
R54
47K
R55
47K
R37
47K
R35
47K
R40
47K
R39
47K
R41
47K
R36
47K
R34
47K
R33
47K
R32
47K
R31
47K
C58
K0.01
C54
K0.01
C38
6V220
C39
1
R46
1K
25D1819A-TX
Q102
R102
220K
Q101
25D1819A-TX
R101
1M
C101
J150P
R50
47K
R51
47K
R52
47K
R56
47K
R57
7K
1.0uS, 2V/DIV
40nS, 2V/DIV
2uS, 2V/DIV
2mS, 2V/DIV
2mS, 2V/DIV
20nS, 2V/DIV
IC4
C2BBD000218
SSEL
MSEL
PSEL
CSEL
RSEL/GIO3
OUTR
AVSS1
OUTL
AVDD1
/TEST
IOSEL
RESY/FLAG6
DEMPH
CRC
CLVS
FLAG
IPFLAG
GIO2/FCLK
CLDCK
TRVSTP
IC2
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGTAL FILTER/
D/A CONVERTER
R22
22
R21
22
R20
100
C25
Z0.1
C27
K0.001
C26
K0.001
C28
Z0.022
C29
6V/220 (A)
C33
6V/220 (A)
C42
Z1
J1
0
R63
1K
R42
1K
R43
1K
R44
1K
R45
1K
CN2
RJS1A7114T
GND
OUT. R
A. GND
OUT. L
+5V
ACC
C1
DATA
C2
+B5V
RST
P. GND
D. MUTE
+7. 5V
To Main P.C.B. E-6784B CN620
RAJ2719 [VJ62108]


I.R. RECEIVER
IC905 YEAMPAS806B21C
TO Extension P.C.B. E-8497Ba CP641
CN901
VDD-5V
FP-OPEN
P.LED
RM-DATA
P.GND
ILL-8V
INV-10V
P.GND
LCD-DI
LCD-CLK
LCD-DO
LCD-CE
INV-GND
INV-GND
SW901 VOL
SW902 SEL
SW903 M1 DISC MTL
SW904 REP
SW905 DISP CLOCK
SW906 VOL
SW907 TUNE TRACK
SW908 M2 DISC NR
SW909 S-HDB LOUD
SW910 LEVEL DIMMER
SW911 TUNE TRACK
SW912 MUTE
SW913 M3 TPS
SW914 M6 REP
SW915 BAND AUTO.P CHANGER 1 2
SW916 SOUR PWR
SW917 M4 R
SW918 M5 SCAN B.S
LCD DRIVER IC901 YEAWLC75884W
LCD901
L901 ETJ1K92AM
L931 YELTD75F101T
Q931 YEANSSTA06T
Q932 YEANSSTA06T
FU931 YEAFSGFCR04A
CFL931
The following symbols are shown on the schematic diagram.
10V
5V


E-6784Ba
E-6784Bb
E-8479
ELECTRONIC VOLUME CONTROL
AM/FM TUNER
LEVEL METER
CD-C
SUB W
CPU
Note #1:Only for CD-DFX501/DF401U
Note #2:Only for CD-DFX501U
Note #3:Only for CD-DFX301U
Note #4:Only for CD-DF401/FX301U
Note #5:R208
220K : CD-DFX501U
0Ω : CD-DF401/DFX301U
Note #6:R614
82K : CD-DFX501U
22K : CD-DF401/DFX301U
Note #7:R615
43K : CD-DFX501U
47K : CD-DF401/DFX301U
<Only for CD-DFX501/DF401U>
<Only for CD-DFX501U>
<Only for CD-DF401/FX301U>
To CD Servo P.C.B
VJ62108 CN2
To Extension P.C.B
E-8497Ba
CJ642
To Extension P.C.B
E-8497Ba CJ640
CD-DFX501/DF401/DFX301U
The following symbols are shown on the schematic diagram.
+B
ACC
10V
8V
7V
5V
RADIO (L-R)
CD (L-R)
AUDIO (L-R)

[E-8497Bb]



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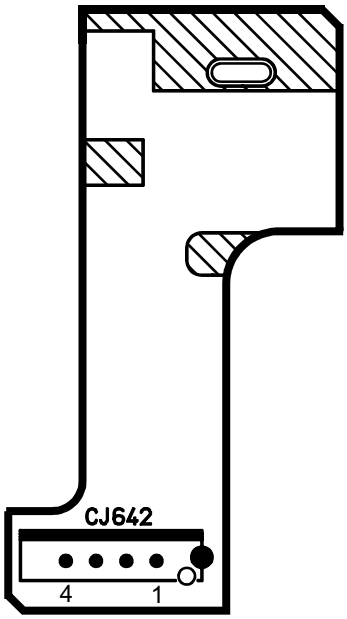

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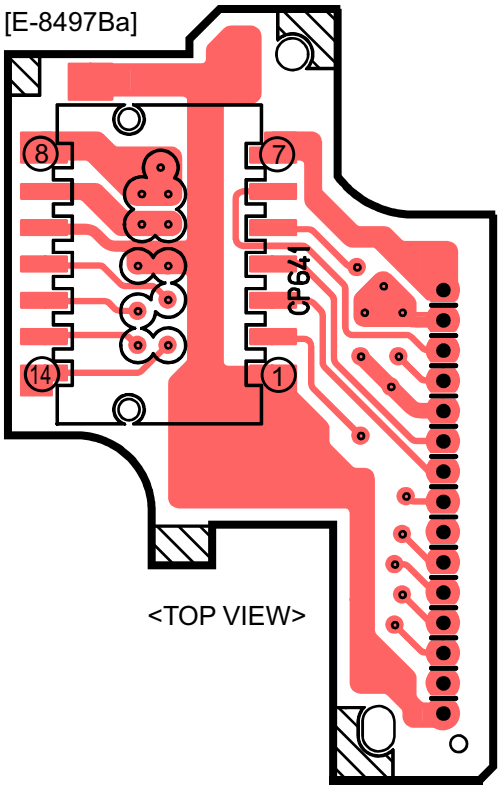
[E-8497Ba]



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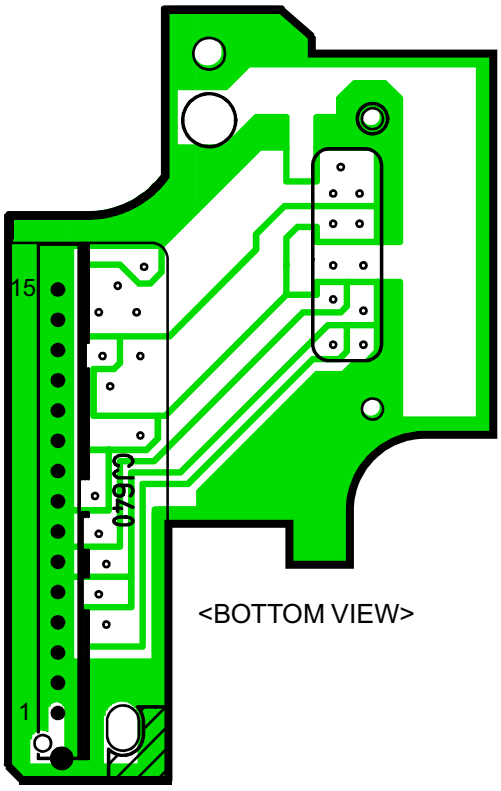
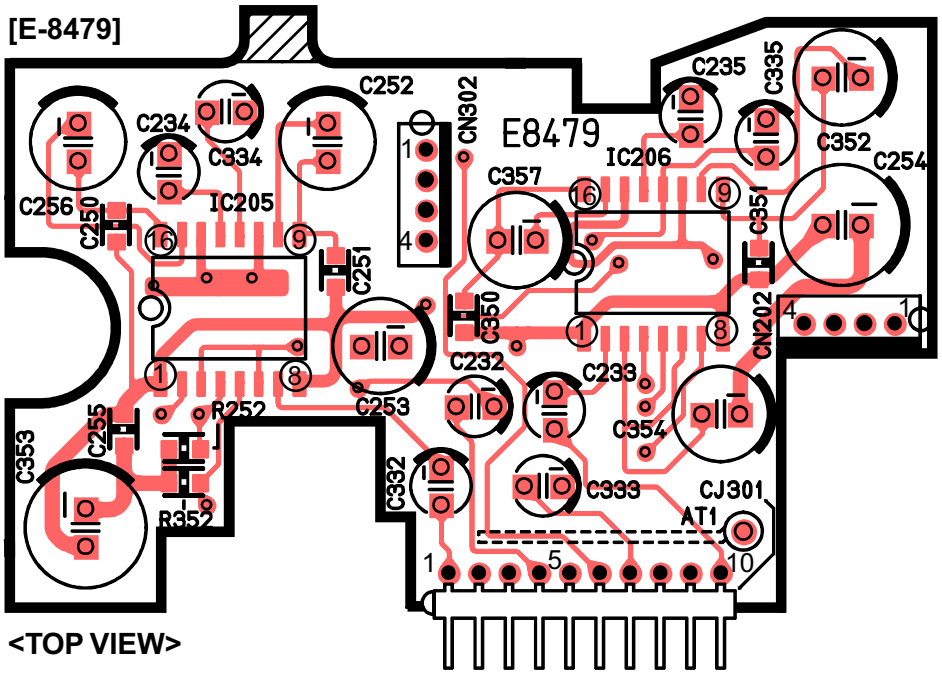


<BOTTOM VIEW>

[E-8479]



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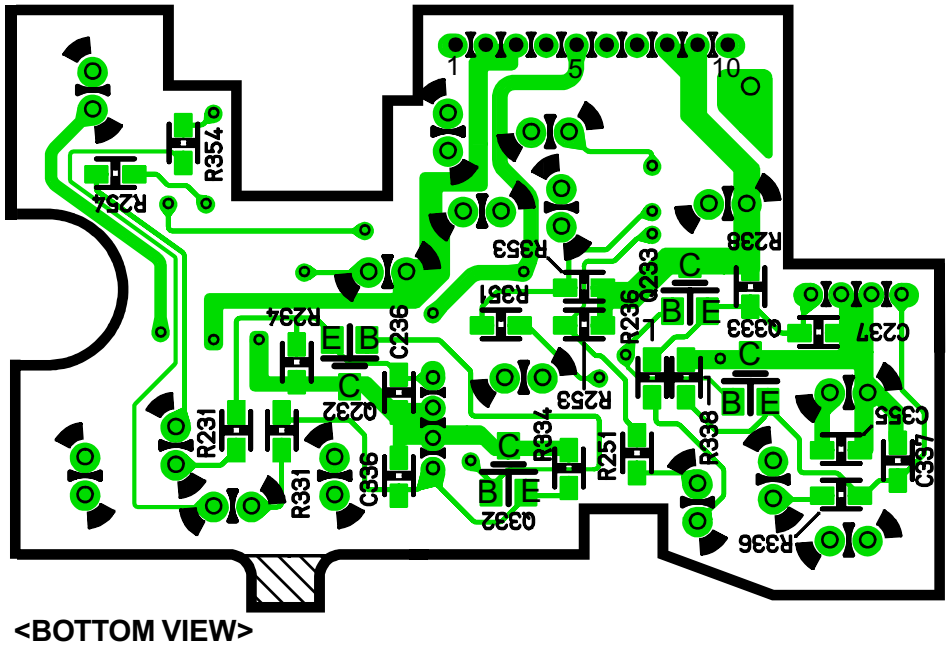

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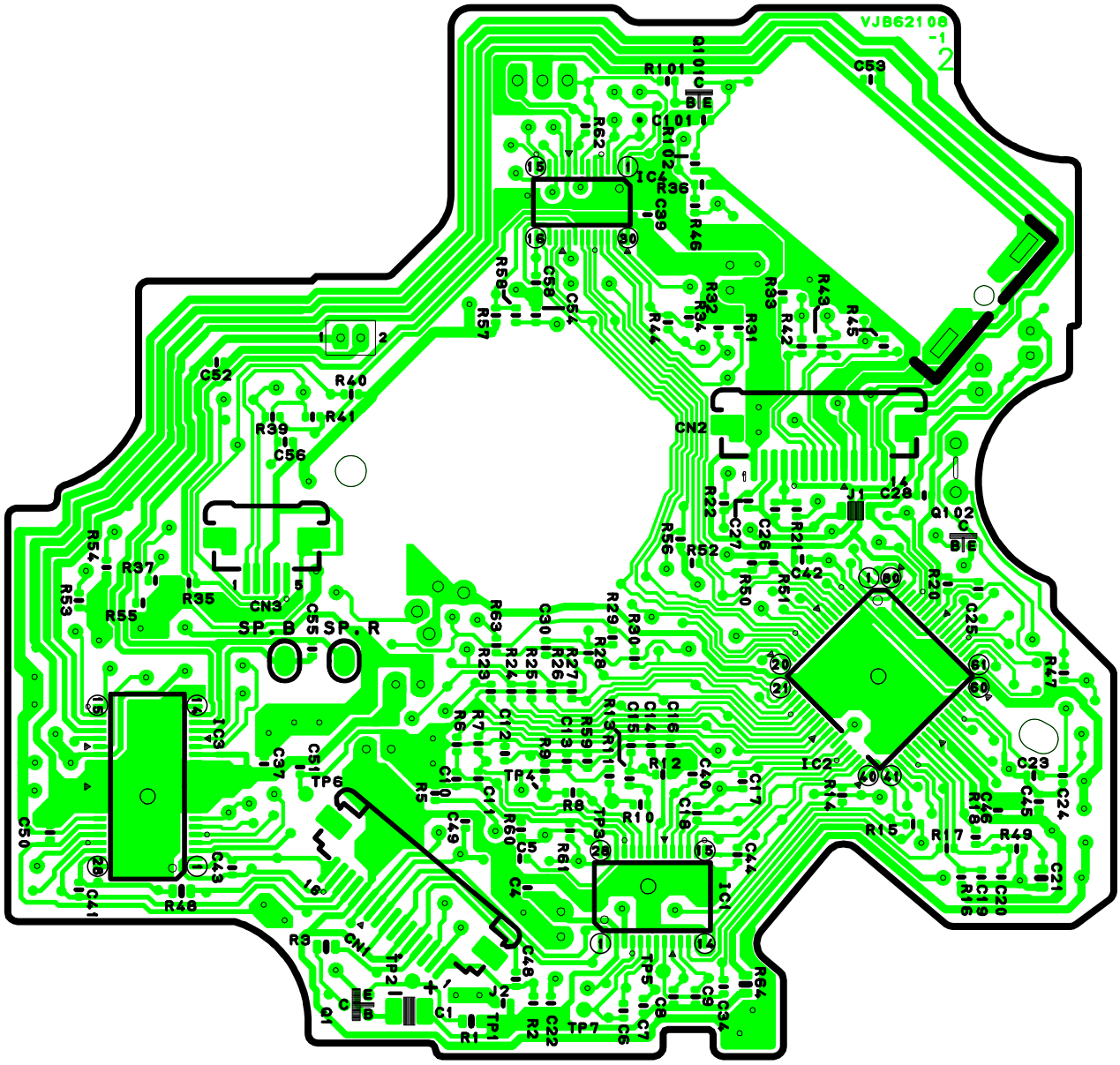
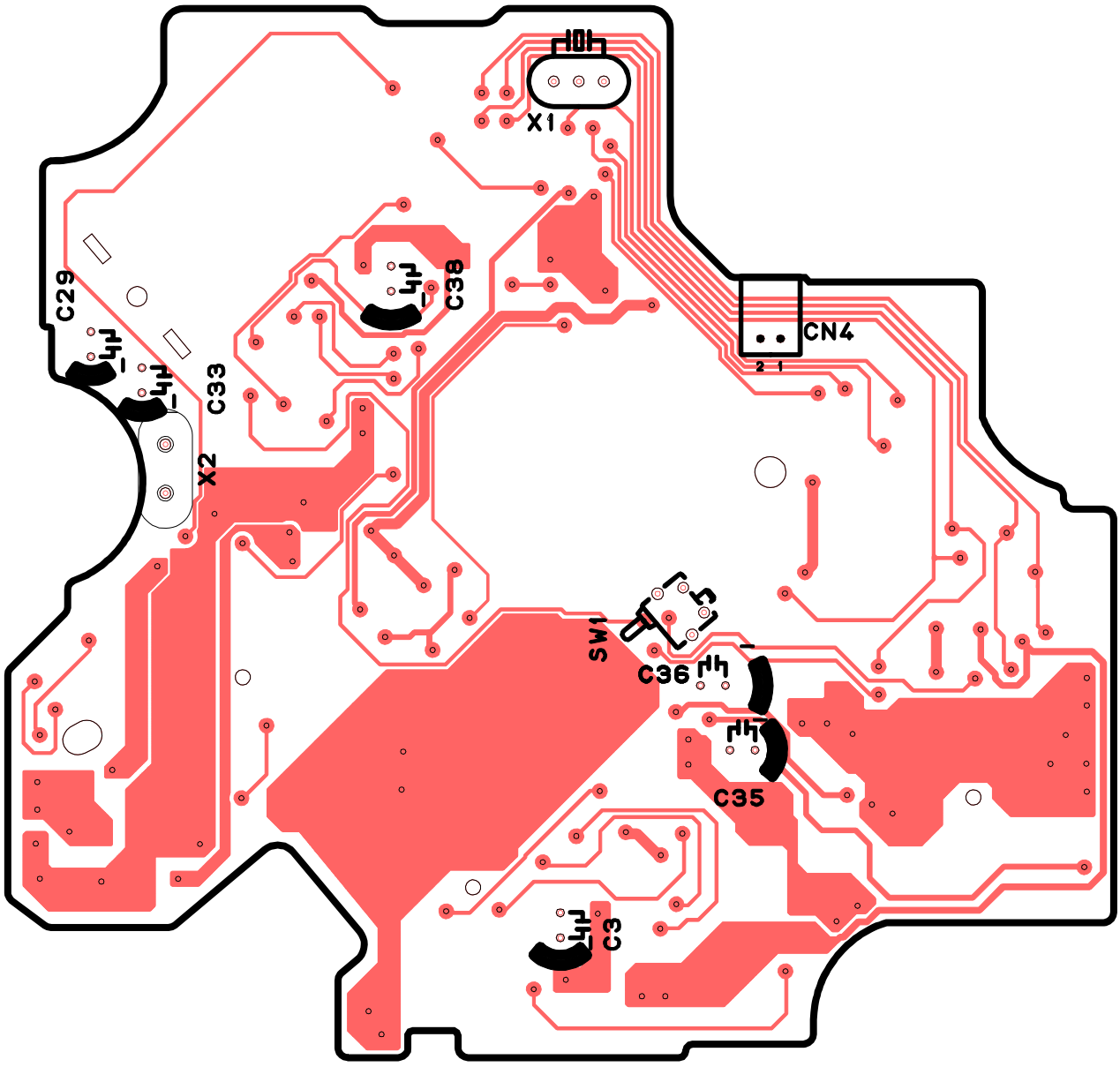
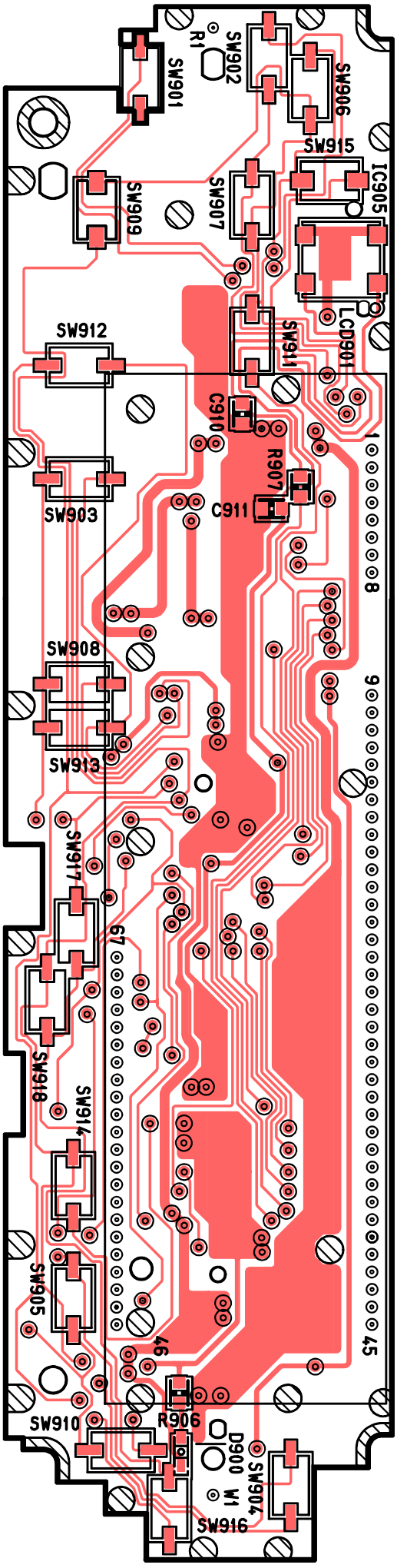


[VJB62108] Bottom View]

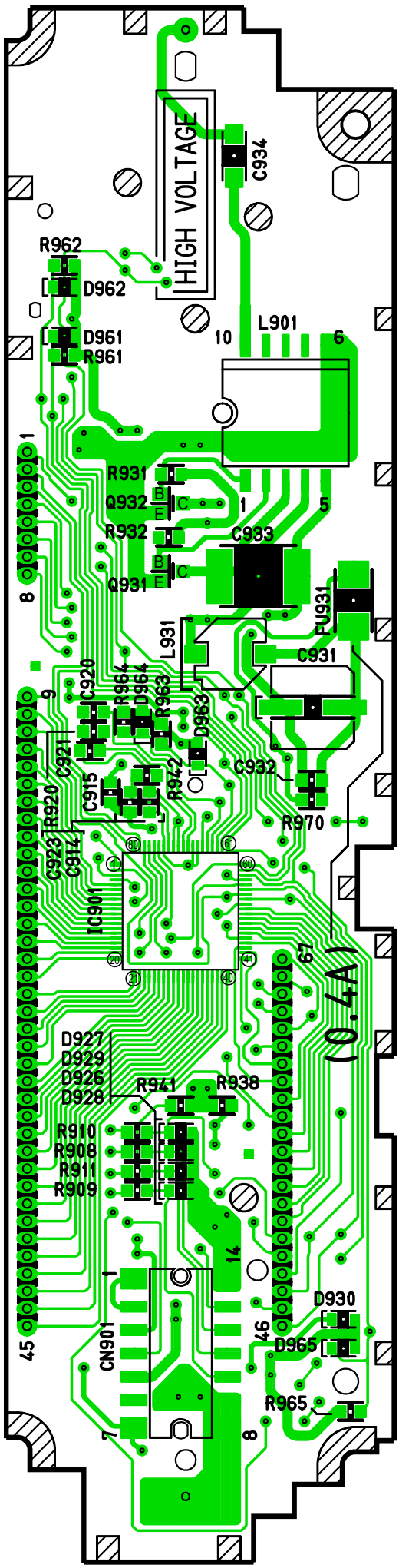


[VJB62108] [Top View]

[E-8984B]

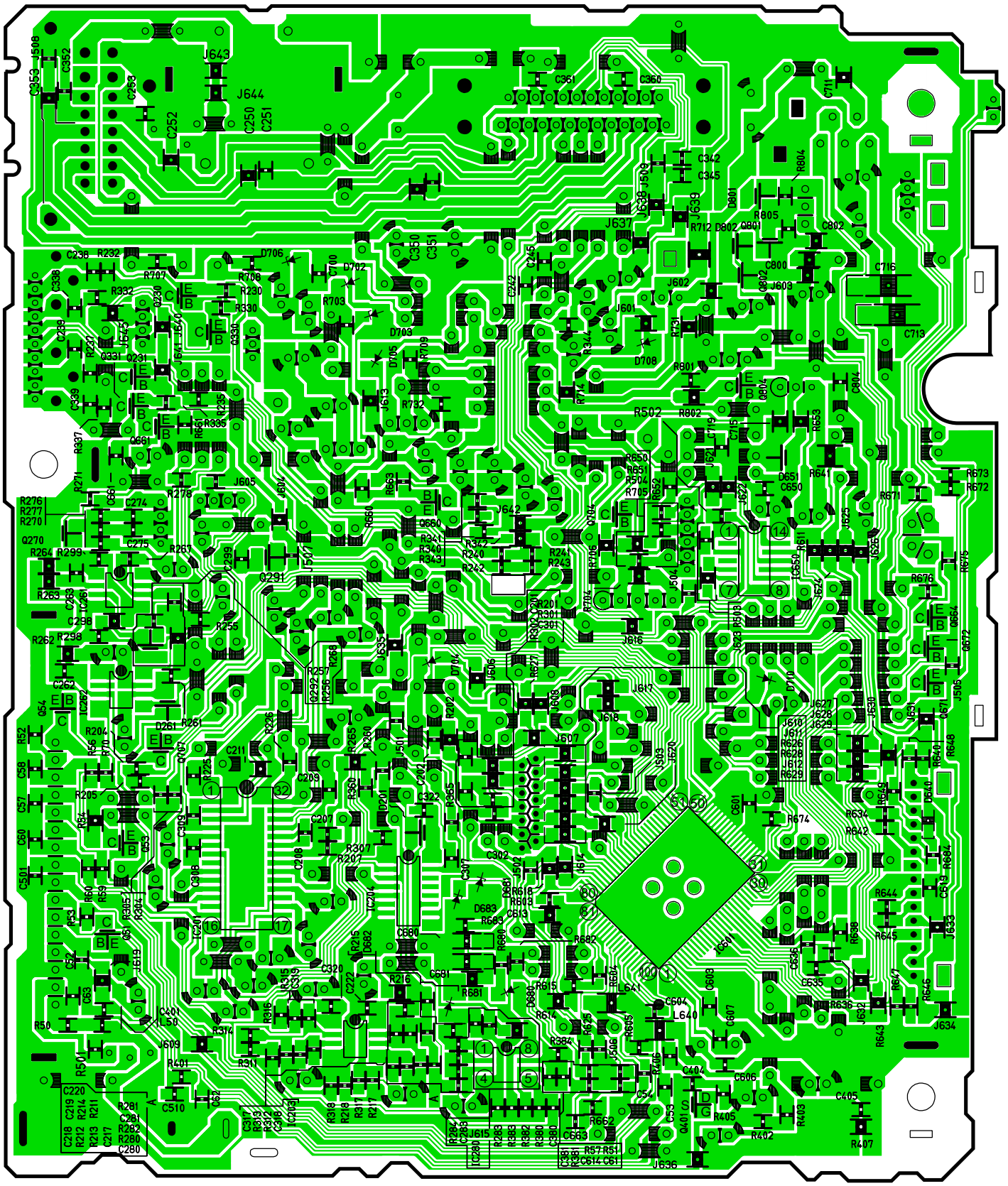


<Top View>



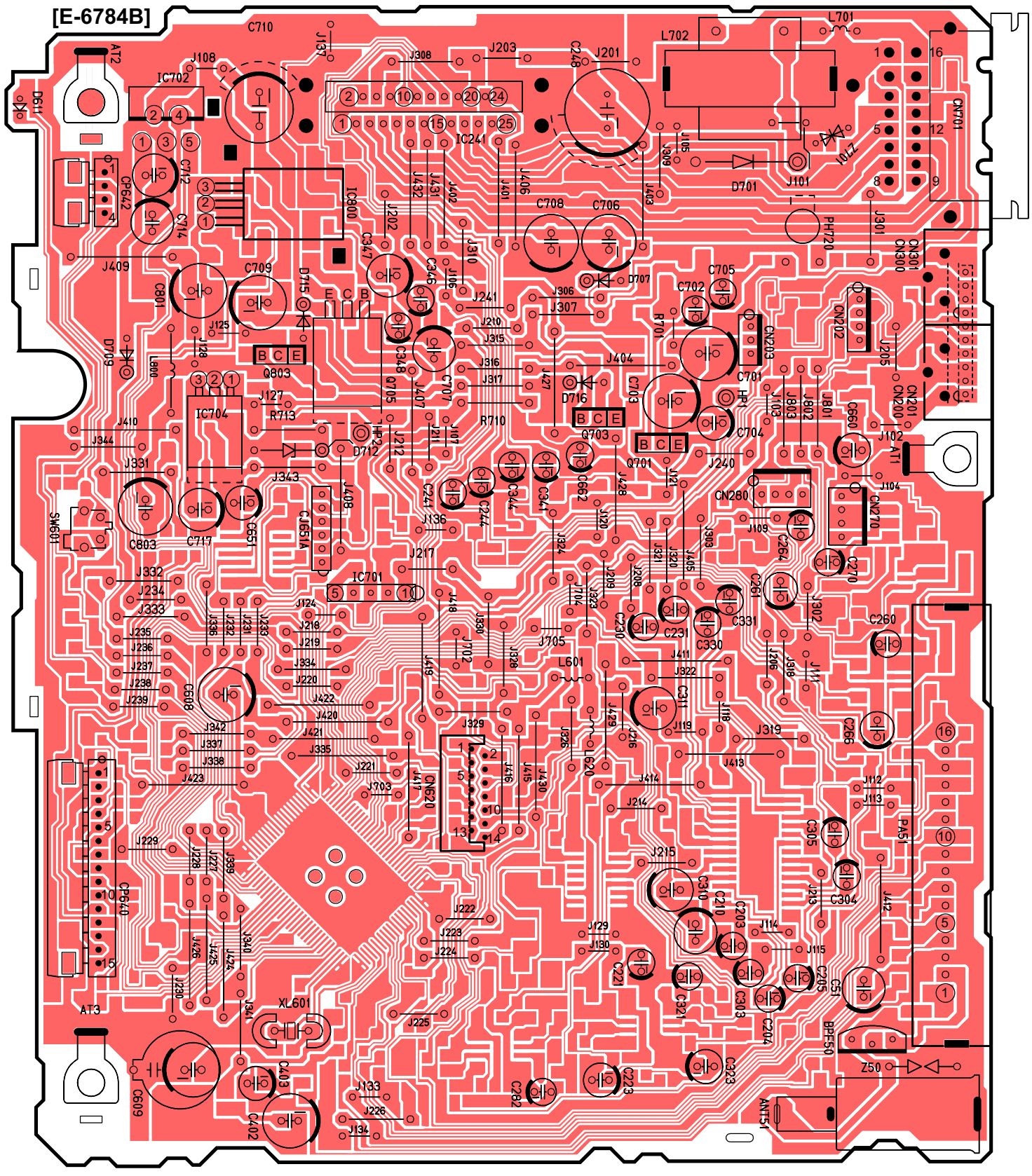
<Bottom View>

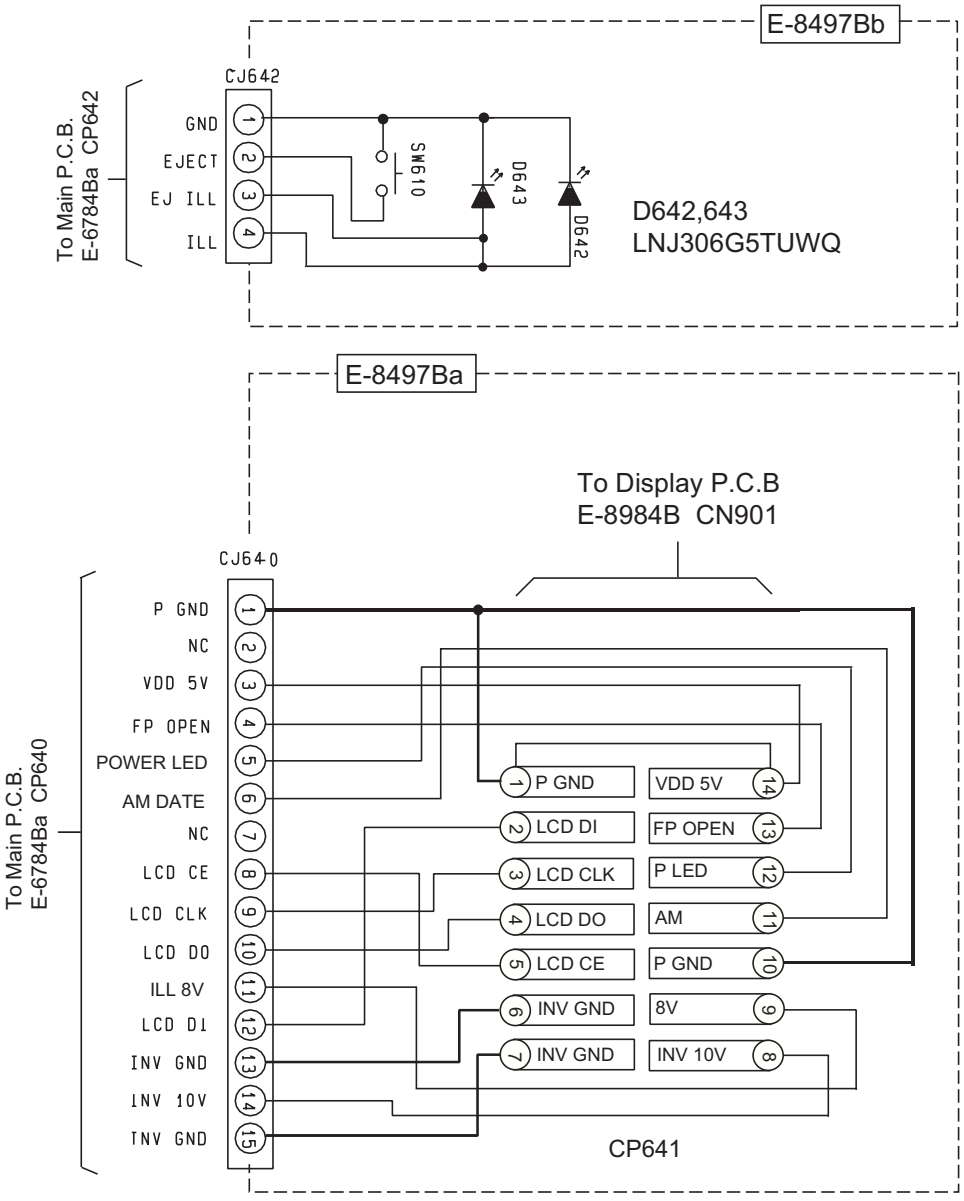
[E-6784B] [Bottom View]



[Top View]

[E-6784B]




E-8497Bb
CJ642
GND
EJECT
EJ ILL
ILL
1
2
3
4
SW610
D643
D642
To Main P.C.B.
E-6784Ba CP642
D642,643
LNJ306G5TUWQ
E-8497Ba
To Display P.C.B
E-8984B CN901
CJ640
P GND
NC
VDD 5V
FP OPEN
POWER LED
AM DATE
NC
LCD CE
LCD CLK
LCD DO
ILL 8V
LCD DI
INV GND
INV 10V
INV GND
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
To Main P.C.B.
E-6784Ba CP640
P GND
LCD DI
LCD CLK
LCD DO
LCD CE
INV GND
INV GND
VDD 5V
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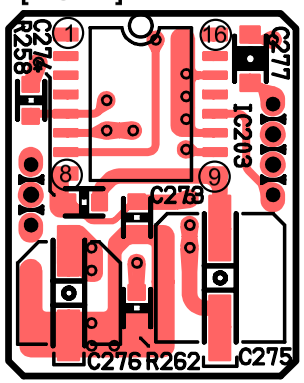
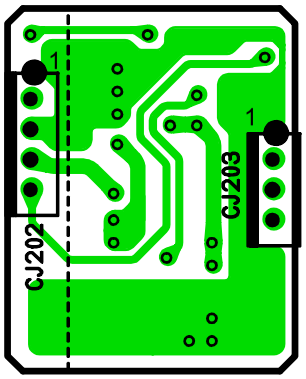
CP641

[E-8474]



<TOP VIEW>



<BOTTOM VIEW>